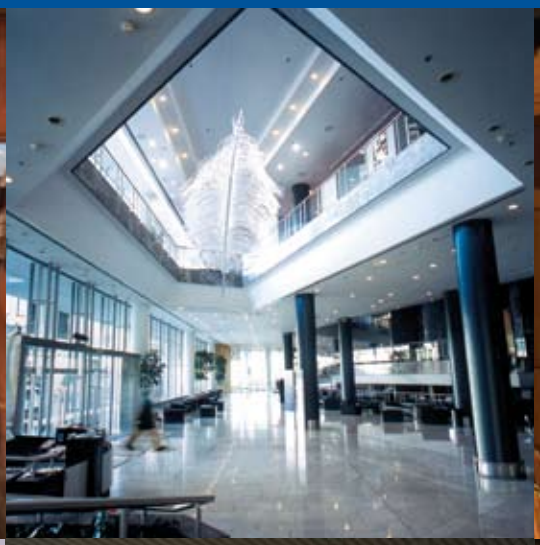
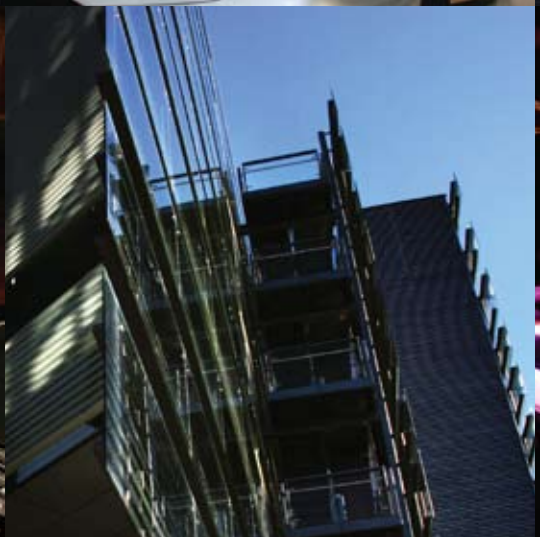
2010/11 AUDIO PRODUCTS CATALOGUE

JANDS





» Jands reputation has been built on a dedication to supplying only the best quality products and solutions to our customers.

» This catalogue is to assist you in your decisions for high quality everyday audio systems, suiting a wide range of budgets, and specific requirements.

» It is broken into three categories showcasing installed commercial audio products, portable live pa products and studio/broadcast audio products as well as tech tips and relevant reference information. Keep in mind this catalogue is not a complete listing of all products in our portfolio. It is a selection of product that suits the majority of the three categories. If you can't find what you need in here please just contact us and we will help you find your solution.

» Don't forget we are here to assist you with any design requirements, for any questions or general assistance you may require, please do not hesitate to contact us » (09) 275 8710 » info@jands.co.nz

INSTALLED COMMERCIAL
04

PORTABLE LIVE PA
24

STUDIO / BROADCAST
46

TECHNICAL RESOURCES
59

INDEX
61

INSTALLED COMMERCIAL

ZONE PROCESSORS

05

BSS Soundweb London BLU
dbx SystemCore, ZonePro

AMPLIFIERS

09

Crown XLS Drivecore, CDi, CTs

IN-CEILING LOUDSPEAKERS

11

JBL 8100, Control Contractor, Control 40,
Control 200, Control 300

SURFACE MOUNT LOUDSPEAKERS

14

JBL Control Contractor, Control 50,
CRV, CBT, JRXi, EON, PRX,
AE Compact, AE, VRX, PD, VP

MIXING CONSOLES

21

Soundcraft Notepad, EPM, EFX, FXII
MPM, MFX, GB, LX7II, Si Compact

JBL Control 26C and JBL Control 25AV-WH speakers installed by VideoPro at Coutts Mercedes-Benz showroom, Newmarket, Auckland

OPEN ARCHITECTURE

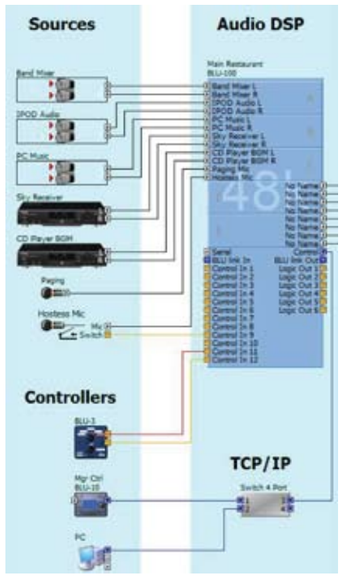
BSS SOUNDWEB LONDON

The power, flexibility and reliability for any scale of installed sound system. With a choice of ten different devices within the Soundweb London family, Soundweb London represents a truly flexible and scalable system. Whether you require the high bandwidth audio networking of a digital audio bus, CobraNet compatibility, DSP capability, input / output expansion or a specific mix of functionality, Soundweb London offers the building blocks of a tailor-made system. Teleconferencing is now possible with the new Hybrid card which enables London devices to interface with a standard POTS (aka PSTN or Analog PBX) telephone network.

The Soundweb London BLU-100 represents a premium, open-architecture solution in the form of a highly flexible, cost-effective and scalable package.

- Uses the same program as the other BLU processors
- Fixed 12 x 8 I/O but can be expanded with 48ch BLU link bus and any BLU link compatible soundweb device
- Like all Soundweb BLU processors the BLU-100 can be used with third party controllers

Create custom control screens for the Soundweb range of processors



London Architect programming software

	Config. I/O	Inputs	Outputs	Config.	Display	Logic	RS-232	AEC Compatible	Signal Processing	Cobranet*	Digital Audio Bus
BLU-800	√	c	c	s	√	√	√	√	4 x	√	256
BLU-80	√	c	c	s	√	√	√		1 x	√	
BLU-320	√	c	c	s	√	√	√	√		√	256
BLU-32	√	c	c	s	√	√	√			√	
BLU-160	√	c	c	s	√	√	√	√	4 x		256
BLU-16	√	c	c	s	√	√	√		1 x		
BLU-120	√	c	c	s	√	√	√	√			256
BLU-100 NEW!		12	8	s		√	√		2 x		48
BLU-80B1			8	m							256
BLU-80B2			8	m							256

c = configurable s = software m = manual

BSS SOUNDWEB INPUT/OUTPUT CARD OPTIONS

	Nos. of Ch	Input Level
BLU-CARD-IN	4	Mic/Line/Phantom
BLU-CARD-OUT	4	AES-EBU/SPDIF
BLU-DIGITAL-IN	4	4 x additional dry inputs
BLU-DIGITAL-OUT	4	Line
BLU-AEC-IN	4	AES-EBU/SPDIF
BLU-CARD-HYBRID	2	Mic/Line

BSS SOUNDWEB CERTIFICATION TRAINING

BSS Soundweb London Certification is to commence mid 2010. The training will cater for those who are new to programming right through to an advanced level.

Please call us to register for the next available course or visit jands.co.nz and click on Technical Resources to register.

BSS SOUNDWEB CONTROLLERS

BLU-10-WH

BLU-10-BK

BLU-8-WH

BLU-8-BK

BLU-6

BLU-3

SW9015

SW9012

BSS SOUNDWEB LONDON THIRD PARTY CONTROLLERS

The dbx ZonePro and BSS Soundweb London processors can be easily integrated into large A/V systems using 3rd Party Controllers such as AMX, Crestron and Cloud Music Systems.

For ease of programming, the AMX & Crestron modules can now be downloaded from the following sites:
http://www.dbxpro.com/3rd_party_controllers.php
http://www.bss.co.uk/downloads.php

University of Auckland Business School, AMX touchpanel integrating with Soundweb London

Wavefront Audio installed into Sale St Bar & Brewery a custom Soundweb Control page integrating with Cloud Music Server

FIXED ARCHITECTURE

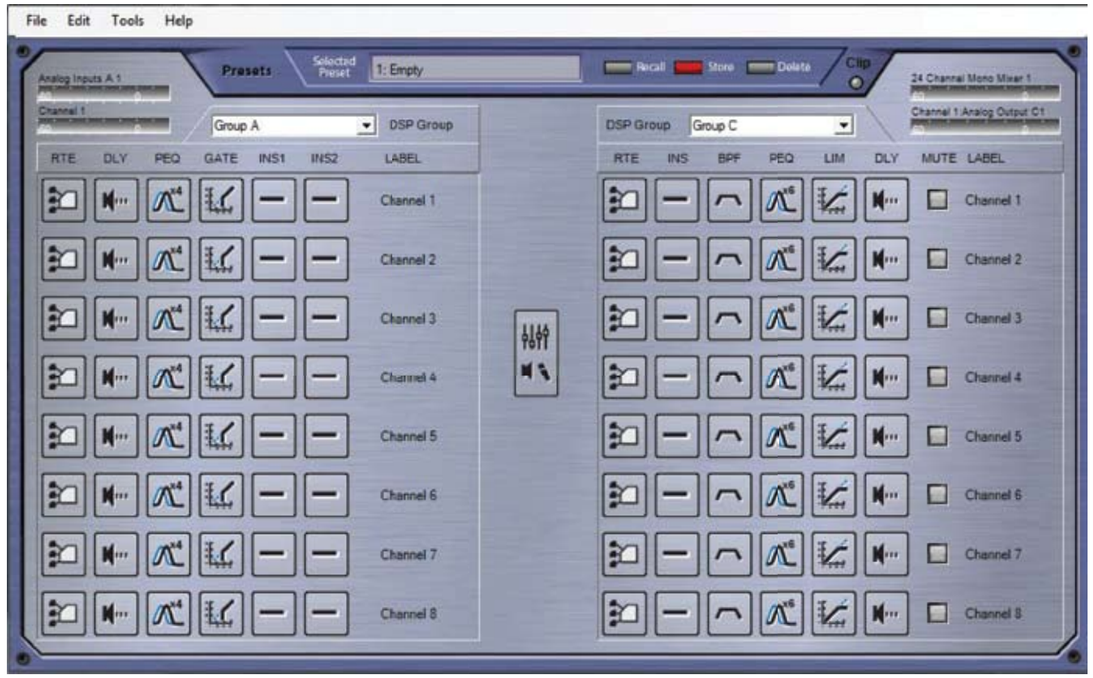
DBX SYSTEM CORE

The SC 32 and SC 64 Digital Matrix Processors, offering 32 and 64 I/O channels respectively, set a new benchmark in the efficiency of providing audio solutions. Harnessing unparalleled DSP capability and extreme routing flexibility, the SC Processing Wizard guides users through the step-by-step configuration process all the way from inputs to outputs. Never before has the naming, routing, organization and mixing of many signals been so quick and simple.
The SC Media Engine Option is a factory option and comprises a DSP card and 1GB of flash storage. This facilitates the storage of media files on the SC device for subsequent routing and playback. Playback of stored media can be triggered by the HiQnet System Architect™ Scheduler function where each SC device as its own schedule residing on the device itself. This provides the perfect solution for automated messages such as for the closing of a store at a particular time or general messages repeated at regular intervals.

All ZC controllers can be used with System Core.
See page 8 for ZC controller options.

	I/O Total	I/O Per Card	I/O Card Slots	Option Slots
SC32	32	8	4	1
SC64	64	8	8	2

Screen shot showing Bandpass Filter page in System Core



Screen shot showing available processing in System Core

DBX ZONEPRO

The ZonePRO™ family of Digital Zone Processors consists of eight devices with different functionality (see table below). Each device, with optional control from an extensive range of Zone Controllers, represents an inexpensive and quickly-deployed solution for a diverse range of commercial audio applications. The Configuration Wizard guides you through the step-by-step configuration process, ensuring that you go from requirements to solution in just a few mouse clicks.

ZonePRO 641

ZonePRO 640m

ZonePRO 1260

ZonePRO 1260m

DBX ZONE CONTROLLERS

ZC-1
Programmable Volume Control

For use with: 260, 4800, Zonepro and SystemCore

ZC-2
Programmable Volume & Mute

For use with: 260, 4800, Zonepro and SystemCore

ZC-3
Programmable Selection

For use with: 260, 4800, Zonepro and SystemCore

ZC-4
Program Selection

For use with: 260, 4800, Zonepro and SystemCore

ZC-6
Programmable Volume Control

For use with: 4800, Zonepro and SystemCore

ZC-7
Programmable Push-To-Talk Page Assignment

For use with: 4800, Zonepro and SystemCore

ZC-8
Programmable Volume and Source Select

For use with: 4800, Zonepro and SystemCore

ZC-9
8 Source Selection

For use with: 4800, Zonepro 1260/1261 only and SystemCore

ZC-BOB
Allows "home-run" or parallel wiring

For use with: 4800, Zonepro and SystemCore

ZC-FIRE
Fire Safety Interface

For use with: 4800, Zonepro and SystemCore

	Inputs	Outputs	Front Panel Control	Mic Preamps	S/PDIF	Ethernet	Mix Functionality	ANC*
1260M	12	6	Y	6	Y	Y	Y	Y
1260	12	6	Y	2	Y	Y	Y	
1261M	12	6		6	Y	Y	Y	Y
1261	12	6		2	Y	Y	Y	
640M	6	4	Y	4		Y	Y	Y
640	6	4	Y	2				
641M	6	4		4		Y	Y	Y
641	6	4		2				

*Ambient Noise Compensation

INSTALLED COMMERCIAL

AMPLIFIERS

INSTALLED COMMERCIAL

PROFESSIONAL AMPLIFIERS

CROWN XLS DRIVECORE SERIES

NEW!

- High Performance, Class D, weighing less than 5 kgs.
- Integrated PureBand™ Crossover System for better performance and control
- Peakx™ Limiters provide maximum output while protecting your speakers
- XLR, 1/4", RCA inputs provide outstanding flexibility
- Efficient forced-air fans prevent excessive thermal buildup

(1kHz)	2Ω Dual/ch	4Ω Dual/ch	8Ω Dual/ch
XLS1000	550W	350W	215W
XLS1500	775W	525W	300W
XLS2000	1050W	650W	375W
XLS2500	1200W	775W	440W

CROWN CDi SERIES

HiQnet

- Low impedance (4Ω) and High impedance (70V)
- Accurate, uncolored sound with very low distortion for the best in music and voice reproduction
- Onboard DSP – crossovers, EQ filters, delay & limiting
- USB for setup & configuration
- Speaker presets

(1kHz)	4Ω Dual/ch	8Ω Dual/ch	70V Dual/ch*
CDi1000	500W	275W	500W
CDi2000	800W	475W	800W
CDi4000	1200W	650W	1000W

* 140V Bridge-Mono

CROWN CTs DUAL CHANNEL SERIES

HiQnet

- Low impedance (4Ω) and High impedance (100V)
- FIT (Fault Isolation Topology) circuitry isolates faults within affected channels
- TLC protection circuitry protects the amplifi er from long-term excessive heat by subtly and dynamically reducing the gain only when necessary.
- Comprehensive array of indicators including Power, Data and Bridge, along with Ready, Signal, Clip, Thermal and Fault for each channel, provide accurate diagnostics.

(20Hz – 20kHz)	70V & 100V Dual/ch	70V & 4Ω Dual/ch	8Ω Dual/ch	16Ω Dual/ch
CTs600	300W*	300W	300W	300W
CTs1200	600W*	600W	600W	300W
CTs2000	1000W	1000W	1000W	625W
CTs3000	1500W	1500W	1250W	3625W

* 70V ratings only

CROWN CTs MULTI CHANNEL SERIES

HiQnet

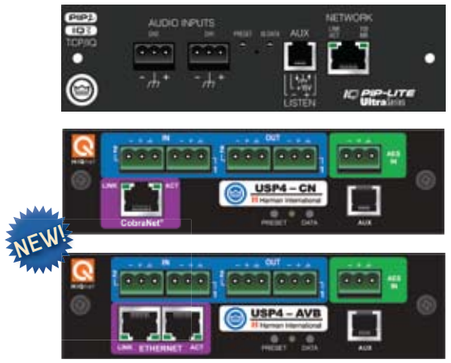
- Selectable constant-voltage (70V/100V) or low impedance (4/8 ohm) operation for each channel pair (channel pair must be operated in Bridge mode for 100V output)

(20Hz – 20kHz)	4Ω Dual/ch	8Ω Dual/ch	70V /ch 100V /ch pair
CTs4200 (2U)	260W	180W	220W
CTs8200 (3U)	200W	160W	185W

(USP/CN is a factory fitted module – specify at time of order)

CROWN CTs PIP CARD MODULES

For use with Dual channel CTS amplifiers only



NEW!

PIP-LITE	Amp monitoring with limiting, compression
PIP-USP4CN	Amp monitoring with EQ & DSP (Cobranet option)
PIP-USP4AVB	As above with FIR filters, BSS Levelmax & AVB* digital audio network

*Ethernet Audio Video Bridging is an emerging IEEE 802.1 standard designed by Audio Video Bridging (AVB) group to provide a reliable, high quality of service and low latency solution for streaming media. It is a low cost enhancement to standard 802.3 Ethernet functionality.

Screen shot showing available processing options in the USP4/CN card

Screen shot showing Parametic EQ page in the USP4/CN card

Screen shot showing Crossover page in the USP4/CN card

CTs AMPLIFIERS BEST FOR BUSINESS

The University of Auckland Business School's Audio Networking System included a total of 19 lecture areas. The original design for the 600 seat theatres called for 8 x 8x8 DSP Processors networked together over a proprietary audio network.

Upon review the design was modified so that two BSS Soundweb London BLU80 12x4 units were used for a total of 24 inputs with an additional 8 inputs provided by 1 x Crown CTs8200CN amplifier, which was configured as a Cobranet "On-Ramp". This reduced the total equipment requirement considerably and had a flow on effect of considerably reducing the cost to the client.

The use of CTs amplifiers not only provided the additional inputs to the system via a Cobranet On-Ramp, but also allows the amplifiers to be monitored via Harman System Architect in real time, with any faults being reported to the local technical support staff via email.

IN-CEILING LOUDSPEAKERS

IN-CEILING LOUDSPEAKERS

JBL 8100 SERIES

High-fidelity performance at a cost-effective price point, the 8100 Series is an easy to install loudspeaker solution. Ideal for a wide variety of commercial sound applications from restaurant and retail to professional offices and reception areas.

8124
4" full-range driver
60 Hz – 18 kHz (-10dB)
130° conical
93 dB (1W/1m)
20W / 8Ω (Transformer bypass)
6, 3, 1.5W (100V taps)
206 x 89 (Dia x Depth mm)
175 (Cutout Dia mm)

8128
8" dualcone full-range driver
50 Hz – 16 kHz (-10dB)
90° conical
97 dB (1W/1m)
25W / 8Ω (Transformer bypass)
6, 3, 1.5W (100V taps)
287 x 105 (Dia x Depth mm)
206 (Cutout Dia mm)

JBL CONTROL CONTRACTOR SERIES

The JBL Control Contractor Ceiling Speakers are designed and built from the ground up with both the installer's and the end-user's needs in mind. JBL's experience in developing the right products for the installation industry, the comprehensive line of ceiling speakers allow you to concentrate on ensuring a successful installation and a satisfied client.

CONTROL 24C-M & 24CT-M
4.5" driver (shallow backcan)
85 Hz – 25 kHz (-10dB)
150° conical
86 dB (1W/1m)
30W Program / 8Ω (24C-M)
9, 4, 2, 1W (24CT-M 100V taps)
195 x 106 (Dia x Depth mm)
167 (Cutout Dia mm)
Grille, backcan and tie-rails included

CONTROL 24C & 24CT
4" Coaxial 2 way
80 Hz – 20 kHz (-10dB)
130° conical
86 dB (1W/1m)
80W Program / 16Ω (24C)
30, 15, 7.5W (24CT 100V taps)
195 x 200 (Dia x Depth mm)
168 (Cutout Dia mm)
Grille, backcan and tie-rails included

CONTROL 26C & 26CT
6.5" Coaxial 2 way
75 Hz – 20 kHz (-10dB)
110° conical
89 dB (1W/1m)
150W Program / 16Ω (26C)
60, 30, 15W (26CT 100V taps)
252 x 210 (Dia x Depth mm)
220 (Cutout Dia mm)
Grille, backcan and tie-rails included

VideoPro installed JBL Control 24C's in an aluminium suspended ceiling at Coutts Mercedes-Benz showroom, Newmarket, Auckland

PREMIUM IN-CEILING LOUDSPEAKERS

JBL CONTROL 40 SERIES

The Control 40 Series Ceiling Speakers are designed to work perfectly in environments that require a premium, in-ceiling speaker with an extremely wide bandwith and consistent coverage.

CONTROL 47C/T
6.5" Coaxial 2 way With extended bass
55 Hz – 20 kHz (-10dB)
120° conical
150W program / 8Ω (bypass)
91 dB (1W/1m)
60, 30, 15W (100V taps)
305 x 259 (Dia x Depth mm)
282 (Cutout Dia mm)
Grille, backcan and tie-rails included

CONTROL 47LP
6.5" Coaxial 2 way Low profile
68 Hz – 20 kHz (-10dB)
120° conical
150W program / 8Ω (bypass)
91 dB (1W/1m)
60, 30, 15W (100V taps)
305 x 142 (Dia x Depth mm)
282 (Cutout Dia mm)
Grille, backcan and tie-rails included

CONTROL 47HC
6.5" Coaxial 2 way for High ceilings
55 Hz – 17 kHz (-10dB)
75° conical
150W program / 8Ω (bypass)
93 dB (1W/1m)
60, 30, 15W (100V taps)
332 x 351 (Dia x Depth mm)
307 (Cutout Dia mm)
Grille, backcan and tie-rails included

CONTROL 42C
2.5" Compact Satellite – use with Control 40CST & 50ST
140 Hz – 20 kHz (-10dB)
160° conical
30W program / 16Ω
82 dB (1W/1m)
127 x 94 (Dia x Depth mm)
104 (Cutout Dia mm)
Grille, backcan and C-ring supports included

CONTROL 40CST
8" Subwoofer with crossover
32 Hz – 300 Hz (-10dB)
200W / 8Ω (bypass)
80, 40, 20W (100V taps)
95 dB (1W/1m near corner)
332 x 338 (Dia x Depth mm)
307 (Cutout Dia mm)
Grille, backcan and C-ring supports included

SUBWOOFER SATELLITE SYSTEMS – MIX 'N' MATCH

Subwoofer-satellite loudspeaker systems for applications where wide-bandwidth, high-fidelity foreground/background music is required. The Control Contractor 50's stylish appearance, easy mounting, and compatibility with JBL's Control 40 Series in-ceiling models, allows matching to the mounting, aesthetic, and performance requirements of any application. Selectable 70V/100V for distributed lines, or low impedance.

	2 x Satellites 1 x Subwoofer	4 x Satellites 1 x Subwoofer
Approx Coverage (up to):	111 sq. m at 3 m ceiling height	222 sq. m at 3 m ceiling height
	185 sq. m at 3.6 m ceiling height	371 sq. m at 3.6 m ceiling height
	325 sq. m at 4.5 m ceiling height	650 sq. m at 4.5 m ceiling height

PREMIUM IN-CEILING LOUDSPEAKERS

JBL CONTROL 200 SERIES

Control 200 Series premium in-ceiling loudspeakers are designed for applications where superior musical impact, voice clarity and high sound levels are required. Extremely wide coverage from the 6.5" coaxial drivers allows fewer speakers to cover a larger area, reducing overall system cost without sacrificing sound quality.

Control 226CT
6.5" Coaxial 2 way
47 Hz – 19 kHz (-10dB)
120° conical
150W program / 8Ω (bypass)
95 dB (1W/1m)
68, 34, 17W (100V taps)
330 x 246 (Dia x Depth mm)
307 (Cutout Dia mm)
Grille, backcan and tie-rails included

JBL Control 25AV speakers installed by VideoPro at Les Mills, Hamilton

JBL CONTROL 300 SERIES

Control 300 are larger systems, with 8" and 12" low-frequency drivers, high-power compression drivers, and higher sound output capabilities. Whereas the current Control Contractor ceiling speaker models are of an "integrated" design (with pre-attached backcans) these large-format speakers are sold separately from the backcans, allowing for pre-installation of the backcans.

Control 328C & 328CT
8" Coaxial 2 way
45 Hz – 18 kHz (-10dB)
120° conical
250W / 8Ω (328C)
93 dB (1W/1m)
60, 30, 15W (328CT 100V taps)
305 x 160 (328C Dia x D mm) 305 x 218 (328CT Dia x D mm)
310 (Backcan Cutout Dia mm)
Backcan MTC-300BB8 & Grille MTC-RG8 sold separately

Control 321C & 321CT
12" Coaxial 2 way
34 Hz – 18 kHz (-10dB)
90° conical
250W / 8Ω (321C)
94 dB (1W/1m)
60, 30, 15W (321CT 100V taps)
366 x 223 (321C Dia x D mm) 366 x 240 (321CT Dia x D mm)
378 (Backcan Cutout Dia mm)
Backcan MTC-300BB12 & Grille MTC-SG12 sold separately

Control 322C & 322CT
High Output 12" Coaxial 2 way
32 Hz – 20 kHz (-10dB)
90° conical
400W / 8Ω (322C)
95 dB (1W/1m)
100, 50, 25W (322CT 100V taps)
366 x 223 (322C Dia x D mm) 366 x 240 (322CT Dia x D mm)
378 (Backcan Cutout Dia mm)
Backcan MTC-300BB12 & Grille MTC-SG12 sold separately

Control 312CS
12" Subwoofer
30 Hz – 4.5 kHz
400W / 8Ω
93 dB (1W/1m)
366 x 160 (Dia x D mm)
378 (Backcan Cutout Dia mm)
Backcan MTC-300BB12 & Grille MTC-SG12 sold separately

SURFACE MOUNT LOUDSPEAKERS

JBL CONTROL CONTRACTOR SERIES

Simply select the JBL Control Contractor loudspeaker appropriate for the architectural, form factor and sonic requirements. The resulting sound system will always deliver on its promise of Performance, Reliability and Value. Al include paintable weather resistant enclosures.

CONTROL23 / CONTROL23T
3.5" 2 way compact speaker
23: 85 Hz – 22 kHz (-10dB) 23T: 100 Hz – 21 kHz (-10dB)
50W program / 8Ω (23)
86 dB (1W/1m speech mode)
10W (23T 100V taps)
193 x 140 x 111 (H x W x D mm)
90° X 90° horn
Invisiball wall bracket included
Available in Black or White

CONTROL25 / CONTROL25T
5.25" 2 way compact speaker
25: 80 Hz – 16 kHz (-10dB) 25T: 80 Hz – 15 kHz (-10dB)
150W program / 8Ω (25)
88 dB (1W/1m speech mode)
30, 15, 7.5W (25T 100V taps)
236 x 188 x 149 (H x W x D mm)
90° X 90° horn
Invisiball wall bracket included
Available in Black or White

CONTROL25AV
5.25" 2 way in/outdoor monitor
70 Hz – 23 kHz (-10dB)
200W program / 8Ω
87 dB (1W/1m speech mode)
60, 30, 15W (100V taps)
236 x 186 x 159 (H x W x D mm)
100° X 100° horn
Invisiball wall bracket included
Available in Black or White

CONTROL28 / CONTROL28T
8" 2 way high output speaker
28: 60 Hz – 16 kHz (-10dB) 28T: 55 Hz – 15 kHz (-10dB)
175W program / 8Ω (28)
92 dB (1W/1m speech mode)
60, 30, 15W (28T 100V taps)
380 x 280 x 220 (H x W x Dmm)
90° X 90° horn
Invisiball wall bracket included
Available in Black or White

CONTROL CONTRACTOR SERIES BRAKCETS

Ceiling Bracket

Verticle Array Bracket

Horizontal Array

U Bracket

INVISIBALL MOUNTING SYSTEM

All Control contractor loudspeakers feature the invisiball built in mount allowing for quick, easy, theft-resistant installation.

CONTROL29AV
8" 2 way in/outdoor monitor
37 Hz – 18 kHz (-10dB)
300W program / 8Ω
90 dB (1W/1m speech mode)
110, 55, 28W (100V taps)
520 x 306 x 277 (H x W x Dmm)
110° X 85° rotatable horn
Invisiball wall bracket included
Available in Black or White

CONTROL30
10" 3 way in/outdoor speaker
38 Hz – 17 kHz (-10dB)
500W program / 4Ω
93 dB (1W/1m speech mode)
150, 75, 38W (100V taps)
593 x 372 x 345 (H x W x Dmm)
120° X 110° horn
Invisiball wall bracket included
Available in Black or White

CONTROLSB-2
10" Stereo Subwoofer
38 Hz – 160 kHz (-10dB)
170W program / 8Ω x 2
100 dB (1W/1m speech mode)
394 x 585 x 343 (H x W x Dmm)
Corner/Wall/Ceiling brackets optional

CONTROLSB210
2 x 10" high power subwoofer
42 Hz – 200 kHz (-10dB)
400W program / 8Ω x 2
102 dB (1W/1m speech mode)
355 x 590 x 570 (H x W x D mm)
4 x Floor standing feet included U Bracket optional

SURFACE MOUNT DESIGNED LOUDSPEAKERS

JBL CONTROL 50 SERIES

NEW!

A surface-mount, subwoofer-satellite loudspeaker system for applications where wide-bandwidth, high-fidelity foreground/background music is required. The Control Contractor 50's stylish appearance, easy mounting, and compatibility with JBL's Control 40 Series (see page 14) in-ceiling models, allows matching to the mounting, aesthetic, and performance requirements of any application.

CONTROL52
2.5" low distortion 2 way satellite
140 Hz – 20 kHz (-10dB)
150° Omnidirectional
50W program / 16Ω
85 dB (1W/1m)
115 x 84 x 96 (H x W x D mm)
Wall bracket included
Available in Black or White

CONTROL50ST
8" high power subwoofer
32 Hz – 200 kHz (-10dB)
80, 40, 20W (100V taps)
150W program / 8Ω (bypass)
95 dB (1W/1m near corner)
356 x 391 x 203 (H x W x D mm)
Wall bracket included
Available in Black or White

CONTROL 50 SERIES PACKS

Easy to use and install 200W subwoofer-satellite systems which are perfect for small restaurants and cafes. Contains one subwoofer and four satellites. If an in-ceiling subwoofer is required please use Control 40CST (refer pg 12).
Available in Black and White.

JBL CONTROL CRV SERIES

NEW!

The unique, contemporary curved design provides a stylish look with plenty of versatility. A 70V/100V transformer and outdoor capability make Control CRV ideal for a wide variety of commercial applications. Outdoor rated to IP-34.

CONTROLCRV
2x 4" 2 way loudspeaker
80 Hz – 20 kHz (-10dB)
Vertical 80°/ Horizontal 105°
150W program / 4Ω (bypass)
89 dB (1W/1m)
30, 15, 7.5W (100V taps)
127 x 364 x 251 (H x W x D mm)
Corner/wall bracket included PMB Pole bracket optional
Available in Black or White

CONTROL CRV MOUNTING OPTIONS

A wide range of configurations, providing an endless variety of solutions in terms of coverage, appearance and mounting.

When mounted in a corner the Control CRV forms a "dual ground-plane" with the two boundaries, acoustically coupling with both surfaces. This extends the apparent height of the speaker, giving a spacious sound. That said, the coupling increases the bass output relative to the mids and highs, so it is often desirable to use an EQ to reduce any bass build-up.

CRV corner wall mounted

2 x CRV wall mounted

4 x CRV mounted with PMB bracket

SURFACE MOUNT COLUMN LOUDSPEAKERS

JBL CBT SERIES

NEW!

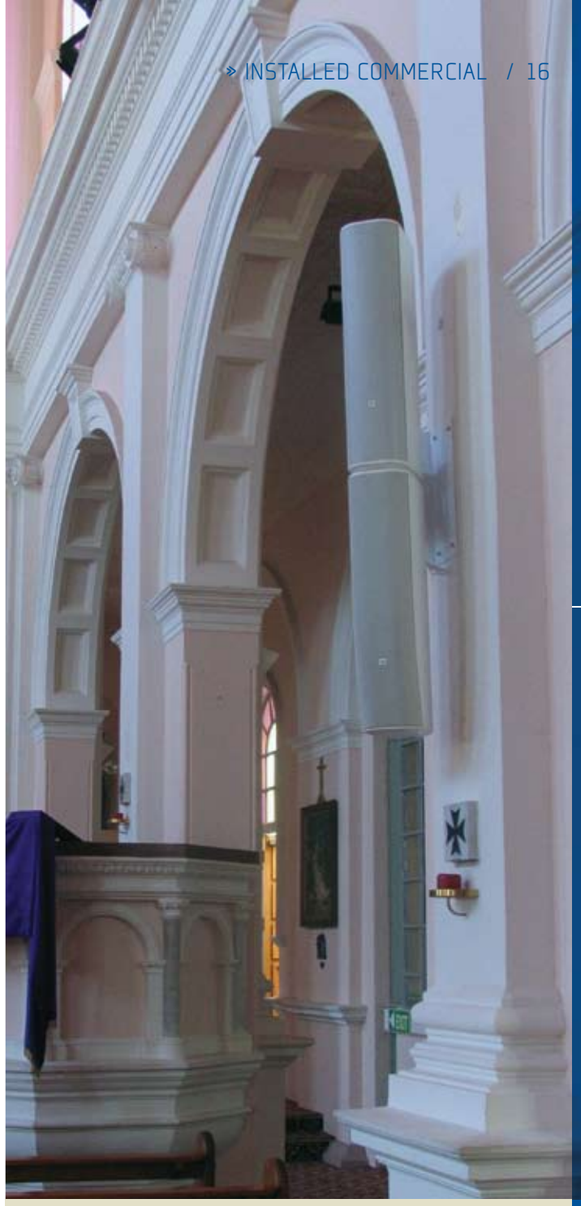
Designed for venues that would typically use larger point-and-shoot speakers, the CBT models offer superior intelligibility in challenging acoustic environments, with a level of user-friendliness that virtually eliminates the challenges of delivering great sound. All models feature an outdoor rating of IP-54.

CBT70J
4x 5" J shaped coaxial line array
60 Hz – 20 kHz (-10dB)
Narrow 25°/ Broad 45°
500W / 8Ω
98 dB (1W/1m narrow speech)
695 x 170 x 237 (H x W x D mm)
10 x M6 insert points, wall bracket included
Available in Black or White

CBT70JE
4x 5" extension line array for use with CBT70J
System: 45 Hz – 20 kHz (-10dB)
System: 1000W / 4Ω
System: 98 dB (1W/1m speech)
695 x 170 x 237 (H x W x D mm)
10 x M6 insert points, combining bracket included
Available in Black or White

CBT100LA
16 x 2" full range column
80 Hz – 20 kHz (-10dB)
Narrow 150°/ Broad 40°/ H 150°
325W / 8Ω (switch)
96 dB (1W/1m speech mode)
100, 50, 30W (100V taps)
1000 x 99 x 153 (H x W x D mm)
18 x M6 insert points, wall bracket included
Available in Black or White

CBT50LA
8 x 2" line array column
80 Hz – 20 kHz (-10dB)
Vertical 20°/ Horizontal 150°
150W program / 8Ω (switch)
93 dB (1W/1m speech mode)
60, 30, 15W (100V taps)
528 x 99 x 153 (H x W x D mm)
10 x M6 insert points, wall bracket included
Available in Black or White



JBL CBT70J and CBT70JE installed by Communication Partners at the Metropolitan Cathedral of the Sacred Heart, Wellington

CBT APPLICATIONS

CBT 70J & CBT 70JE:
- High level A/V applications
- Small to medium performance spaces & houses of worship (include CBT70JE if more bass and/or pattern control is required)
- Full fidelity lecture halls
- Large-scale surround sound applications

CBT 100LA:
- Lecture halls, conference centres, cathedrals, architectural spaces as speaker can be recessed into the wall.
- Difficult acoustic environments

CBT 50LA:
- Audio support of video monitors
- Retail stores, conference rooms and general fill applications
- Architectural spaces where a point-and-shoot speaker may be too visually obtrusive.

INSTALLED COMMERCIAL

SOUND REINFORCEMENT LOUDSPEAKERS

JBL JRXi SERIES LOUDSPEAKERS

The JRX install series loudspeakers offer affordable sound re-inforcement.

JRX112Mi	JRX115i
12" 2 way loudspeaker	15" 2 way loudspeaker
60 Hz – 16 kHz (-10dB)	38 Hz – 16 kHz (-10dB)
250W / 8Ω	250W / 8Ω
99 dB (1W/1m)	98 dB (1W/1m)
90° X 50°	90° X 50°
577 x 399 x 325 (H x W x Dmm)	686 x 470 x 432 (H x W x Dmm)
3 x M10 insert points with eyebolts included	3 x M10 insert points with eyebolts included

JBL PRX600 SERIES LOUDSPEAKERS

PRX600 series are designed from the ground up to perform where challenging audio environments, high ambient noise levels and loud volumes are the norm.

For full PRX600 range including subwoofers see Pg 25

PRX612M	PRX615M
12" 2 way powered loudspeaker	15" 2 way powered loudspeaker
51 Hz – 20 kHz (-10dB monitor)	48 Hz – 20 kHz (-10dB monitor)
1000W (2 x 500)	1000W (2 x 500)
133 dB (max SPL monitor)	134 dB (max SPL monitor)
90° X 50° nominal	90° X 50° nominal
592 x 353 x 340 (H x W x Dmm)	660 x 429 x 414 (H x W x Dmm)
36mm dual-angle pole socket, 8 x M10 suspension points and 1 x M10 pull back point	36mm dual-angle pole socket, 8 x M10 suspension points and 1 x M10 pull back point

JBL AE SERIES LOUDSPEAKERS

The AE Series is a complete line of permanent installation loudspeakers and subwoofers, containing the performance and features that meet the needs of contractors and consultants alike. U Brackets and Planner Array Frames available for all models. Below is a selection of the more popular models however the AE Series contains a total of 32 speaker options.

AM5212	AM5215	AM7212	AM7215
12" 2 way full range loudspeaker	15" 2 way full range loudspeaker	12" 2 way full range loudspeaker	15" 2 way full range loudspeaker
37 Hz – 20 kHz (-10dB)	35 Hz – 20 kHz (-10dB)	36 Hz – 20 kHz (-10dB)	34 Hz – 20 kHz (-10dB)
60° x 40°, 60° x 60° 90° x 50°, 100° x 100° or 120° x 60° all rotatable	60° x 40°, 60° x 60° 90° x 50° or 120° x 60° all rotatable	60° x 40°, 60° x 60° 90° x 50°, 100° x 100° or 120° x 60° all rotatable	60° x 40°, 60° x 60° 90° x 50° or 120° x 60° all rotatable
300W / 8Ω	350W / 8Ω	700W / 8Ω	750W program / 8Ω
96 dB (1W/1m passive mode)	98 dB (1W/1m passive mode)	95 dB (1W/1m passive mode)	96 dB (1W/1m passive mode)
711 x 369 x 458 (H x W x D mm)	781 x 420 x 503 (H x W x Dmm)	711 x 369 x 458 (H x W x Dmm)	781 x 420 x 503 (H x W x Dmm)
15 x M10 insert points	15 x M10 insert points	15 x M10 fly points	15 x M10 fly points
MTU-3 U bracket optional	MTU-1 U bracket optional	MTU-3 U bracket optional	MTU-1 U bracket optional

JBL AE COMPACT SERIES LOUDSPEAKERS

The AE Series is a complete line of permanent installation loudspeakers and subwoofer, containing the performance and features that meet the needs of contractors and consultants alike. U Brackets and Planner Array Frames available for all models. All models are IP-x3 rated with higher weather proofing options available to order.

AC15 & AC25	AC16 & AC26	AC18 & AC28	AC2212 & AC2215
5.25" 2 way loudspeaker & 2 x 5.25" 2 way loudspeaker	6.5" 2 way loudspeaker & 2 x 6.5" 2 way loudspeaker	8" 2 way loudspeaker & 2 x 8" 2 way loudspeaker	12" 2 way full range loudspeaker & 15" 2 way full range loudspeaker
80 Hz – 20 kHz (-10dB)	55 Hz – 20 kHz (-10dB)	AC18: 52 Hz – 20 kHz (-10dB) AC28: 53 Hz – 20 kHz (-10dB)	AC2212: 50 Hz – 19 kHz (-10dB) AC2215: 42 Hz – 19 kHz (-10dB)
300W & 450W program / 16Ω	300W / 16Ω & 600W / 8Ω	500W and 750W / 8Ω	250W / 8Ω
86 & 91 dB (1W/1m)	90 dB & 92 dB (1W/1m)	92 dB & 94 dB (1W/1m)	95 & 97 dB (1W/1m)
90° X 90° coverage	90° X 90° coverage	90° X 50° or 120° X 60°	90° x 50°, 60° x 40° or 100° x 100°
241 x 151 x 178 (H x W x Dmm) 378 x 151 x 178 (H x W x Dmm)	381 x 200 x 226 (H x W x Dmm) 540 x 200 x 226 (H x W x Dmm)	470 x 238 x 254 (H x W x Dmm) 680 x 238 x 254 (H x W x Dmm)	548 x 355 x 352 (H x W x Dmm) 637 x 422 x 504 (H x W x Dmm)
4 x M8 fly points, (2 x AC15) (4 x AC25) M6 for stand adapter	5 x M8 fly points, 4 x M6 for stand adapter	6 x M8 fly points, 4 x M6 for stand adapter	15 x M10 fly points
AC15: MTU-15 U Bracket optional AC25: MTU-25 U Bracket optional	AC16: MTU-16 U Bracket optional AC26: MTU-26 U Bracket optional	AC18: MTU-18 U Bracket optional AC28: MTU-28 U Bracket optional	AC2212: MTU-4 U Bracket optional AC2215: MTU-2 U Bracket optional

JBL AE Series Installed at the James Hay Theatre, Christchurch Town Hall.

JBL AE SERIES SUBWOOFERS

All AE Series subwoofers are for ground-stacked or suspended applications in stand-alone arrays or in combination with other AE Series products.

Horn loaded options available

ASB6112	ASB6115 and ASB6125	ASB7118 and ASB7128
12" high power subwoofer	15" high power subwoofer 2 x 15" high power subwoofer	18" high power subwoofer 2 x 18" high power subwoofer
35 Hz – 1 kHz (-10dB)	32 Hz – 1 kHz (-10dB)	ASB7118: 22 Hz – 1 kHz (-10dB) ASB7128: 20 Hz – 1 kHz (-10dB)
700W / 8Ω	675W / 8Ω (ASB6115) 1350W / 4Ω parallel (ASB6215)	1200W / 8Ω (ASB7118) 2400W / 4Ω parallel (ASB7128)
96 dB (1W/1m passive mode)	97 dB & 100 dB (1W/1m)	96 dB & 99 dB (1W/1m)
406 x 369 x 483 (H x W x Dmm)	483 x 419 x 597 (H x W x Dmm) 965 x 419 x 597 (H x W x Dmm)	546 x 560 x 815 (H x W x Dmm) 1092 x 560 x 815 (H x W x Dmm)
16 x M10 fly points	16 x M10 fly points	16 x M10 fly points

SOUND REINFORCEMENT LOUDSPEAKERS

JBL VRX SERIES

VRX900 Series Constant Curvature Line Arrays are designed and built to the same high standards as the high end line arrays and use the same advanced, concert-proven drivers. Perfect for small live venues, churches, schools and auditoriums.

VRX928LA	VRX932LA
8" 2 way line array speaker	12" 2 way line array speaker
70 Hz – 20 kHz (-10dB)	57 Hz – 20 kHz (-10dB)
100° x 15°nominal	100° x 15°nominal
800W program / 8Ω	1600W program / 8Ω
90 dB (1W/1m passive mode)	95 dB (1W/1m passive mode)
230 x 419 x 267 (H x W x Dmm)	349 x 597 x 381 (H x W x Dmm)
Dual 36mm pole socket & 2 x M10 fly points	Dual 36mm pole socket & 2 x M10 fly points
Optional accessories: VRX-SMAF array frame SS3-BK Satellite speaker pole SS4-BK Threaded satellite pole	Optional accessories: VRX-AF array frame SS3-BK Satellite speaker pole SS4-BK Threaded satellite pole
Available in white to order	Available in white to order

VRX915S	VRX918S
15" high power subwoofer	18" high power subwoofer
35 Hz – 250 Hz (-10dB)	31 Hz – 220 Hz (-10dB)
1600W program / 4Ω	1600W program / 8Ω
91 dB (1W/1m passive mode)	95 dB (1W/1m passive mode)
496 x 420 x 597 (H x W x Dmm)	508 x 597 x 794 (H x W x Dmm)
8 x M10 fittings & M20 socket	M20 socket
Optional accessories: VRX-SMAF array frame SS4-BK Threaded satellite pole	Optional accessories: VRX-AF array frame SS4-BK Threaded satellite pole
Available in white to order	Available in white to order

JBL PD SERIES

The PD5000 Series loudspeakers deliver high power and constant coverage in a lowprofile form. Supplementing the smaller AE Series cabinets with higher SPL capability and larger horns for pattern control to a lower frequency.

PD5212
12" 2 way full range loudspeaker with horn loaded 12" LF
80 Hz – 18 kHz (-10dB)
60° x 40°, 40° x 30° and 90° x 50° all rotatable.
300W program / 8Ω
106 dB (1W/1m passive mode)
991 x 673 x 706 (H x W x D mm)
20 x M10 insert points
White and weatherised versions also available to order

VRX Powered Series installed in Les Mills Christchurch Main Studio by VideoPro

SOUND REINFORCEMENT POWERED LOUDSPEAKERS

JBL EON SERIES LOUDSPEAKERS

The new generation of EON products offers true portability and ease of handling. Five standard M10 rigging points and integrated pole mount socket increase the system's utility.

EON510	EON515
10" 2 way loudspeaker	15" 2 way loudspeaker
58 Hz – 18.5 kHz (-10dB)	39 Hz – 20 kHz (-10dB)
280W continuous	450W
121 dB (max SPL)	129 dB (max SPL)
100° X 60° nominal	100° X 60° nominal
490 x 313 x 262 (H x W x Dmm)	685 x 438 x 366 (H x W x Dmm)
7.7kg	14.8kg
36mm pole socket, 3 x M10 suspension points and 1 x M10 pull back point	36mm pole socket, 3 x M10 suspension points and 1 x M10 pull back point

JBL VRX POWERED SERIES

Designed in conjunction with Crown, the compact high power DPC-2 amplifier module features DBT (Dual Bridged Technology™) digital amplification circuitry and is integrated into the rear of the VRX enclosures.

VRX932LAP	VRX918SP
12" 2 way line array speaker	18" high power subwoofer
57 Hz – 20 kHz (-10dB)	31 Hz – 220 Hz (-10dB)
875W continuous	750W Continuous
136 dB (1W/1m passive mode)	126 dB (1W/1m passive mode)
100° x 15°nominal	
349 x 597 x 444 (H x W x Dmm)	508 x 597 x 749 (H x W x Dmm)
Dual 36mm pole socket	M20 socket
Optional accessories: VRX-AF array frame SS3-BK Satellite speaker pole SS4-BK Threaded satellite pole	Optional accessories: VRX-AF array frame SS4-BK Threaded satellite pole

JBL VP POWERED SERIES

Best in class and absolutely stunning. The VP Series was developed not only to deliver the best sound available, they are also very user-friendly while also offering an unprecedented level of intelligent control and monitoring capability. Optimised for use in perfoming arts centres, hotels, auditoriums, convention centres and meeting facilities.

VP7210 (95DP)	VP7212 (64DP & 95DP)	VP7215 (64DP & 95DP)	VPSB7118DP
10" 2 way loudspeaker system	12" 2 way loudspeaker system	15" 2 way loudspeaker system	15" subwoofer system
50 Hz – 20 kHz (-10dB)	47 Hz – 20 kHz (-10dB)	45 Hz – 20 kHz (-10dB)	29 Hz – 165 Hz (-10dB)
90° x 50° rotatable	60° x 40° & 90° x 50° rotatable	60° x 40° & 90° x 50° rotatable	
875W continuous	1100W continuous	1100W continuous	1800W continuous
132 dB (1m)	136 dB (1m)	136 dB (1m)	129 dB (1m)
521 x 293 x 303 (H x W x D mm)	702 x 384 x 524 (H x W x Dmm)	766 x 448 x 524 (H x W x Dmm)	515 x 702 x 813 (H x W x Dmm)
9 x M10 & 2 x M6 insert points 35mm pole socket	14 x M10 insert points and 6 x standard air cargo 3" track	14 x M10 insert points and 6 x standard air cargo 3" track	24 x M10 insert points and 8 x standard air cargo 3" track
	Network modules optional: DPAN and DPCN (CobraNet)	Network modules optional: DPAN and DPCN (CobraNet)	Network modules optional: DPAN and DPCN (CobraNet)

MIXING CONSOLES

SOUNDCRAFT NOTEPAD SERIES

All Notepad models boast 4 stereo line inputs, and suit a very wide range of applications where simple yet high-quality mixing is required, such as small band/cabaret PA systems, AV presentation systems, small broadcast edit suites, educational environments and general contracting. All models boast the acclaimed GB30 mic preamp and EQ technology in a highly-compact and solid chassis.

NOTEPAD102
2 Mono ch
4 Stereo ch
0 FX Processors
3 EQ bands
1 Aux Sends
1 Returns

NOTEPAD124 & NOTEPAD124FX
4 Mono ch
4 Stereo ch
1 FX Processors (FX only)
3 EQ bands
1 Aux Sends
1 Returns

SOUNDCRAFT EPM & EFX SERIES

Low-cost high-performance mixers. EFX/EPM mixers bring Soundcraft sound quality, performance and value-for-money to a wide range of applications including recording, live sound, install and broadcast. Soundcraft has created an uncluttered and intuitive control surface that enhances the operator experience, with all the appropriate features for modern mixing applications.

EPM
6, 8 or 12 Mono ch
2 Stereo ch
0 FX Processors
3 EQ Bands
2 Aux Sends
1 Returns
RMK Optional 8ch, Included 12ch
8U

EFX
8 or 12 Mono ch
2 Stereo ch
1 FX Processors
3 EQ Bands
2 Aux Sends
2 Returns
RMK Optional 8ch, included 12ch
8U

SOUNDCRAFT GB SERIES

As always with Soundcraft consoles, emphasis for the GB Series has been placed on operational simplicity, clear and intuitive layout and the highest possible audio performance. All GB Series consoles have GB30 Mic preamplifier and GB30 Equaliser designs. For ease of installation with the GB2R, the connector section is contained in a rotatable pod, allowing cable access from the top of the mixer if sat on a table-top, or from the rear when mounted in a 19" rack.

GB2R

GB4

GB8

GB2R Rack Mount Version
12 or 16 Mono Ch
2 Stereo Ch
2 Groups
4 EQ bands
6 Aux sends
2 Returns
Direct Outputs

GB2
16, 24 or 32 Mono Ch
2 Stereo Ch
4 Groups
4 EQ bands
6 Aux sends
1 Returns
Direct Outputs
2 Matrix Outputs

GB4
12, 16, 24, 32 or 40 Mono Ch
2 Stereo Ch
4 Groups
4 EQ bands
8 Aux sends
3 Returns
Direct Outputs
4 Matrix Outputs

GB8
24, 32, 40 or 48 Mono Ch
4 Stereo Ch
8 Groups
4 EQ bands
8 Aux sends
5 Returns
Direct Outputs
4 Matrix Outputs

SOUNDCRAFT FXII SERIES

Great sound quality, professional build quality, flexible 4-bus architecture and a space-saving sixteen mic inputs and direct outputs, new 24-bit Lexicon on-board effects section and universal internal power supply. The FX16ii includes 100mm faders and the frame can be optionally rackmounted. Cables can be conveniently located behind the rack by simply rotating the connector pod.

FX16II
16 Mono ch
1 FX Processors
2 Groups
3 EQ bands
4 Aux sends
5 Returns
Direct Outputs
RMK Included
10U

SOUNDCRAFT MPMI & MFXI SERIES

Soundcraft's MFX/MPM mixers are compact and ideally equipped for live sound applications including fixed installations, houses of worship and portable PA.
MFX mixers have built-in 24-bit Lexicon processing, delivering 32 stunning reverb, delay and chorus effects. MPM mixers replace the MFX's internal FX send with a third Aux send, for operators preferring to use external effects.

MPMI
12 or 20 Mono ch
2 Aux sends
0 FX Processors
2 Groups
3 EQ bands
3 Aux sends
1 Returns
RMK Optional 20ch, Included 12ch
9U

MFXI
8, 12 or 20 Mono ch
2 Stereo ch
1 FX Processors
2 Groups
3 EQ bands
3 Aux sends
3 Returns
RMK Optional 8/20ch, Included 12ch
9U

SOUNDCRAFT LX7II SERIES

The LX7ii can handle both FOH and monitors, making it ideal for live sound applications in small to medium-sized venues. Includes the acclaimed GB30 mic pre's.

LXII Series
16, 24 or 32 Mono ch
2 Stereo ch
4 Groups
4 EQ bands
6 Aux sends
4 Returns
Direct Outputs

SOUNDCRAFT Si COMPACT DIGITAL CONSOLE

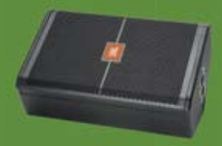
To be released late 2010 is a new range of low-cost digital consoles called Si Compact. The line will include 16, 24 and 32 motorized fader models, all equipped with Lexicon and BSS processing and connectable to a stagebox, as well as having all the I/O on the rear panel.

Si COMPACT available late 2010
16, 24 or 32 ch
Lexicon effects
BSS processing
Motorised faders
I/O on rear panel
Stagebox option

PORTABLE LIVE PA

POWERED LOUDSPEAKERS
25
JBL EON, PRX, VP, VRXP

PASSIVE LOUDSPEAKERS
27
JBL JRX, MRX, SRX



LINE ARRAYS
29
JBL VRX, VERTEC

AMPLIFIERS
33
Crown XLS DriveCore, XTi, MAi, iTech-HD

SPEAKER MANAGEMENT
35
dbx Driverack
BSS Minidrive, Omnidrive

GRAPHIC EQUALISERS
36
dbx Digital EQ's, Analogue EQ's
BSS FCS

SIGNAL PROCESSORS
38
dbx Dynamics, Crossovers
Lexicon Reverbs

DI BOX
39
dbx DB10, DB12
BSS AR133

MIXING CONSOLES
40
Soundcraft Notepad, Gigrac, EPM, EFX, MPM, MFX, FX, LX, GB, MH
Soundcraft Digital Si, Vi

JBL SRX Monitors, Above Productions Ltd, Cambridge Christmas in the Park 2008

PORTABLE LOUDSPEAKERS

JBL EON SERIES LOUDSPEAKERS

The EON500 series delivers more power, portability, and versatility than any other speaker in its class, raising the bar dramatically for advanced powered loudspeaker systems, while retaining that signature JBL sound.

EON315	EON510	EON515	EON518S
15" 2 way loudspeaker	10" 2 way loudspeaker	15" 2 way loudspeaker	18" subwoofer
38 Hz – 20 kHz (-10dB)	58 Hz – 18.5 kHz (-10dB)	39 Hz – 20 kHz (-10dB)	36 Hz – 130 Hz (-10dB)
280W	280W	450W	500W
127 dB (max SPL)	121 dB (max SPL)	129 dB (max SPL)	129 dB (max SPL)
100° X 60° nominal	100° X 60° nominal	100° X 60° nominal	
685 x 438 x 366 (H x W x Dmm)	490 x 313 x 262 (H x W x Dmm)	685 x 438 x 366 (H x W x Dmm)	617 x 569 x 652 (H x W x Dmm)
15.9kg	7.7kg	14.8kg	29.5kg
36mm pole socket, 4 x M10 suspension points and 1 x M10 pull back point	36mm pole socket, 3 x M10 suspension points and 1 x M10 pull back point	36mm pole socket, 3 x M10 suspension points and 1 x M10 pull back point	36mm pole socket on top

JBL PRX SERIES LOUDSPEAKERS

Designed from the ground up to perform in the real world of sound reinforcement where challenging audio environments, high ambient noise levels and loud volumes are the norm.

PRX612M	PRX615M	PRX625	PRX618S
12" 2 way powered loudspeaker	15" 2 way powered loudspeaker	2 x 15" 2 way powered loudspeaker	18" powered subwoofer
51 Hz – 20 kHz (-10dB)	48 Hz – 20 kHz (-10dB)	40 Hz – 19.5 kHz (-10dB)	41 Hz – 130 Hz (-10dB)
1000W (2 x 500)	1000W (2 x 500)	1000W (2 x 500)	600W Continuous
133 dB (max SPL)	134 dB (max SPL)	134 dB (max SPL)	129 dB (max SPL)
90° X 50° nominal	90° X 50° nominal	90° X 50° nominal	
592 x 353 x 340 (H x W x Dmm)	660 x 429 x 414 (H x W x Dmm)	1053 x 424 x 413 (H x W x Dmm)	686 x 531 x 614 (H x W x Dmm)
15.6kg	19.7kg	27.2kg	32kg
36mm dual-angle pole socket, 8 x M10 suspension points and 1 x M10 pull back point	36mm dual-angle pole socket, 8 x M10 suspension points and 1 x M10 pull back point	8 x M10 suspension points and 1 x M10 pull back point	36mm pole mount socket for sub/satellite configuration

PORTABLE LOUDSPEAKERS

JBL VP SERIES LOUDSPEAKERS

A/V rental firms, sound reinforcement companies and clubs will find the VP Compact Loudspeakers well-suited to their demanding requirements for tough road-worthy enclosures, robust components, stage-ready sound and array capabilities.

VP7212MDP	VP7212-95DPC	VP7215-95DPC	VPSB7118DP
12" 2 way stage monitor	12" 2 way loudspeaker	15" 2 way loudspeaker	18" subwoofer
55 Hz – 20 kHz (-10dB)	55 Hz – 20 kHz (-10dB)	45 Hz – 20 kHz (-10dB)	29 Hz – 165 Hz (-10dB)
875W Continuous	875W Continuous	875W Continuous	1800W Continuous / 4Ω
134 dB (max SPL)	134 dB (max SPL)	135 dB (max SPL)	129 dB (max SPL)
50° x 90° coverage	90° X 50° nominal	90° X 50° nominal	
346 x 565 x 413 (H x W x Dmm)	533 x 358 x 334 (H x W x Dmm)	613 x 434 x 359 (H x W x Dmm)	514 x 702 x 813 (H x W x Dmm)
20.7kg	21.3kg	24.7kg	345kg
	36mm pole socket, 9 x M10 fittings, 2 x M6 fittings	36mm pole socket, 13 x M10 fittings	8 x standard air-cargo 3" track and 24 x M10 fittings

JBL VRX POWERED SERIES

Designed in conjunction with Crown, the compact high power DPC-2 amplifier module features DBT (Dual Bridged Technology™) digital amplification circuitry and is integrated into the rear of the VRX enclosures.

VRX range offers versatile mounting and rigging options

VRX932LAP	VRX918SP
12" 2 way line array speaker	18" high power subwoofer
57 Hz – 20 kHz (-10dB)	31 Hz – 220 Hz (-10dB)
100° x 15°nominal	
875W Continuous	750W Continuous
136 dB (1W/1m passive mode)	126 dB (1W/1m passive mode)
349 x 597 x 444 (H x W x Dmm)	508 x 597 x 749 (H x W x Dmm)
24kg	38.5kg
Dual 36mm pole socket	20mm threaded pole socket
Optional accessories: VRX-AF array frame SS3-BK Satellite speaker pole SS4-BK Subwoofer pole	Optional accessories: VRX-AF array frame SS4-BK Subwoofer pole

PORTABLE LOUDSPEAKERS

JBL JRX SERIES LOUDSPEAKERS

JRX Series delivers the performance and prestige JBL is known for at an affordable price point. Included is a pole mount with two sockets so you have the option of mounting the JRX115 or JRX112M with a 10° down angle.

JRX112M
12" 2 way loudspeaker
60 Hz – 16 kHz (-10dB)
250W / 8Ω
99 dB (1w/1m)
90° X 50° nominal
572 x 394 x 318 (H x W x Dmm)
19.5kg
36mm dual angle pole socket
JRX112M-CVR cover optional

JRX115
15" 2 way loudspeaker
38 Hz – 16 kHz (-10dB)
250W / 8Ω
98 dB (1w/1m)
90° X 50° nominal
699 x 460 x 432 (H x W x Dmm)
27.4kg
36mm dual angle pole socket
JRX115-CVR cover optional

JRX125
Dual 15" 2 way loudspeaker
36 Hz – 16 kHz (-10dB)
500W / 4Ω
100 dB (1w/1m)
90° X 50° nominal
1099 x 464 x 432 (H x W x Dmm)
42.6kg
JRX125-CVR cover optional

JRX118S
18" subwoofer
38 Hz – 300 Hz (-10dB)
500W / 8Ω
129 dB (max SPL)
595 x 569 x 652 (H x W x Dmm)
29.5kg
36mm pole socket on top
JRX118S-CVR cover optional

JBL MRX SERIES LOUDSPEAKERS

Compact, lightweight, truly portable, MRX series is the ultimate PA system for musicians and DJ's. The MRX uses rugged plywood enclosures and are covered with JBL's duraflex finish.

MRX512M
15" 2 way loudspeaker
38 Hz – 20 kHz (-10dB)
280W / 8Ω
127 dB (max SPL)
100° X 60° nominal
685 x 438 x 366 (H x W x Dmm)
15.9kg
MRX512M-CVR cover optional 36mm pole socket, 4 x M10 suspension points and 1 x M10 pull back point

MRX515
10" 2 way loudspeaker
58 Hz – 18.5 kHz (-10dB)
280W / 8Ω
121 dB (max SPL)
100° X 60° nominal
490 x 313 x 262 (H x W x Dmm)
7.7kg
MRX515-CVR cover optional 36mm pole socket, 3 x M10 suspension points and 1 x M10 pull back point

MRX525
15" 2 way loudspeaker
39 Hz – 20 kHz (-10dB)
450W / 4Ω
129 dB (max SPL)
100° X 60° nominal
685 x 438 x 366 (H x W x Dmm)
14.8kg
MRX525-CVR cover optional 36mm pole socket, 3 x M10 suspension points and 1 x M10 pull back point

MRX518S
18" subwoofer
36 Hz – 130 Hz (-10dB)
500W / 8Ω
129 dB (max SPL)
595 x 569 x 652 (H x W x Dmm)
29.5kg
MRX518S-CVR cover optional 36mm pole socket on top

PORTABLE LOUDSPEAKERS

JBL SRX SERIES LOUDSPEAKERS

The advanced technology of SRX700 series speakers delivers the power and performance you would expect from the highest quality, professional systems. At the same time, JBL innovation and design have reduced system weight so load in and load out are a breeze. All this performance is housed in rugged JBL enclosures for years of superb performance.

SRX712M
12" 2 way High power monitor
70 Hz – 20 kHz (-10dB)
1600 / 8Ω
96 dB (1w/1m) Passive Mode
90° X 50° nominal
349 x 546 x 260 (H x W x Dmm)
15kg
35mm dual angle pole socket 2 x M10 fittings
SRX712M-CVR cover optional SRX712M-YK yoke kit optional

SRX715
15" 2 way loudspeaker
43 Hz – 20 kHz (-10dB)
1600W / 8Ω
96 dB (1w/1m) Passive Mode
75° X 50° nominal
711 x 439 x 406 (H x W x Dmm)
22kg
35mm dual angle pole socket 5 x Track & M10 (F version only) suspension points
SRX715-CVR cover optional SRX-FF3 fly fittings optional M10 3 pack eybolts optional

SRX722
Dual 12" 2 way loudspeaker
72 Hz – 20 kHz (-10dB)
2400W / 4Ω
97 dB (1w/1m) Passive Mode
75° X 50° nominal
965 x 394 x 394 (H x W x Dmm)
32kg
5 x Track & M10 (F version only) suspension points
SRX722-CVR cover optional SRX-FF3 fly fittings optional M10 3 pack eybolts optional

SRX725
Dual 15" 2 way loudspeaker
37 Hz – 20 kHz (-10dB)
2400W /
99 dB (1w/1m) Passive Mode
75° X 50° nominal
1219 x 541 x 508 (H x W x Dmm)
43kg
5 x Track & M10 (F version only) suspension points
SRX725-CVR cover optional SRX-FF3 fly fittings optional M10 3 pack eybolts optional

SRX738
18" full range loudspeaker
35 Hz – 20 kHz (-10dB)
1600W / 8Ω
95 dB (1w/1m) Passive Mode
60° X 40° nominal
1092 x 541 x 648 (H x W x Dmm)
43kg
5 x Track & M10 (F version only) suspension points
SRX738-CVR cover optional SRX-FF3 fly fittings optional M10 3 pack eybolts optional

SRX718S
18" bass reflex subwoofer
31 Hz – 220 Hz (-10dB)
1600W / 8Ω
95 dB (1w/1m)
508 x 597 x 749 (H x W x Dmm)
36kg
Top mounted M20 socket
SRX718S-CVR cover optional SS4-BK 35mm pole optional WK-4S caster kit optional

SRX728S
Dual 18" bass reflex subwoofer
27 Hz – 220 Hz (-10dB)
3200W / 4Ω parallel mode
98 dB (1w/1m)
602 x 1067 x 838 (H x W x Dmm)
76kg
SRX728S-CVR cover optional

SRX700 features the best power to weight ratio in its class

How? SRX700 uses JBL's patented Differential Drive® woofers with neodymium magnets. Neodymium's magnetic properties allow a few ounces to replace pounds of conventional magnet material.

SMALL FORMAT LINE ARRAY

JBL VRX SERIES LOUDSPEAKERS

JBL's VERTEC® Series Line Arrays lead the industry in large venue sound reinforcement. While intended for smaller venues than VERTEC, the VRX900 Series Constant Curvature Line Arrays are designed and built to the same high standards and uses the same advanced, concert-proven drivers. JBL's VRX900 Series speakers deliver extraordinary power handling, clarity, flexibility and, of course, stunning JBL sound in an attractive, easy to handle and affordable package.

For Powered option VRX932LAP pg 26

For Powered option VRX918SP pg 26

VRX928LA	VRX932LA	VRX915S	VRX918S
8" 2 way line array speaker	12" 2 way line array speaker	15" high power subwoofer	18" high power subwoofer
70 Hz – 20 kHz (–10dB)	57 Hz – 20 kHz (–10dB)	35 Hz – 250 Hz (–10dB)	31 Hz – 220 Hz (–10dB)
100° x 15°nominal	100° x 15°nominal		
800W program / 8Ω	1600W program / 8Ω	1600W program / 4Ω	1600W program / 8Ω
90 dB (1W/1m passive mode)	950 dB (1W/1m passive mode)	91 dB (1W/1m passive mode)	95 dB (1W/1m passive mode)
230 x 419 x 267 (H x W x Dmm)	349 x 597 x 381 (H x W x Dmm)	496 x 420 x 597 (H x W x Dmm)	508 x 597 x 794 (H x W x Dmm)
Dual 36mm pole socket	Dual 36mm pole socket	8 x M10 fittings & M20 socket	M20 socket
Optional accessories: VRX-SMAF array frame SS3-BK Satellite speaker pole SS4-BK Threaded satellite pole	Optional accessories: VRX-AF array frame SS3-BK Satellite speaker pole SS4-BK Threaded satellite pole	Optional accessories: VRX-SMAF array frame SS4-BK Threaded satellite pole	Optional accessories: VRX-AF array frame SS4-BK Threaded satellite pole
Available in white to order	Available in white to order	Available in white to order	Available in white to order

VRX rigged at the Bruce Mason Centre, Auckland

SMALL FORMAT LINE ARRAY

JBL VRX900 SYSTEM SUGGESTIONS

A couple of system examples for the 8-inch VRX928LA and the 12-inch VRX932LA/P have been chosen in order to demonstrate the most asked questions:

1. **HOW LARGE** of a crowd does a system cover? 2. **HOW FAR** does it throw? 3. **HOW LOUD** does it get?

The following selections are based on the most common combinations of VRX900 line array systems. The applications shown, although generic, will be satisfactory under most conditions. However it cannot substitute an in depth evaluation based on exact conditions of a specific situation. All examples provide at least 105 dB SPL, which is a common target for general music, and provide a very homogeneous (within 6 dB) coverage for a given audience area per number of speakers.

1 x VRX928LA Per Side

300 People SPL: 103 to 107 dB maximum at 11 m

System Specification:
For 1 x VRX928LA Per Side

- Sys coverage: 100° x 15° (H x V)
- SPL : 126 dB (1 W/1m)
- Frequency Response (± 3 dB):
87 Hz – 19 kHz (no subwoofer)
40 Hz – 19 kHz (with subwoofer)
- Application Height: 2.3 m via SS2-BK tripod
- Power requirements: 1 ch of 650 – 1,600W at 8Ω per side

2 x VRX932LA Per Side

500 People SPL: 105 to 111 dB maximum at 14 m

System Specification:
For 2 x VRX932LA Per Side

- Sys coverage: 100° x 30° (H x V)
- SPL : 138 dB (1 W/1m)
- Frequency Response (± 3 dB):
75 Hz – 20 kHz (no subwoofer)
34 Hz – 20 kHz (with subwoofer)
- Application Height: 2.4 m via SS4-BK as pictured
- Power requirements: 1 ch of 3,000 – 6,400W at 4Ω per side

3 x VRX928LA Per Side

700 People SPL: 102 to 108 dB maximum at 20 m

System Specification:
For 3 x VRX928LA Per Side

- Sys coverage: 100° x 45° (H x V)
- SPL : 131 dB (1W/1m)
- Frequency Response (± 3 dB):
87 Hz – 19 kHz (no subwoofer)
40 Hz – 19 kHz (with subwoofer)
- Suspended at 5.5 m
- Power requirements: 1 ch of 3,000 – 6,400W at 3Ω per side

4 x VRX932LA Per Side

1000 People SPL: 105 to 111 dB maximum at 30 m

System Specification:
For 4 x VRX932LA Per Side

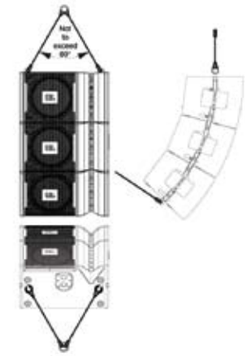
- Sys coverage: 100° x 60° (H x V)
- SPL : 141 dB (1W/1m)
- Frequency Response (± 3 dB):
75 Hz – 20 kHz (no subwoofer)
34 Hz – 20 kHz (with subwoofer)
- Suspended at 8 m
- Power requirements: 2 ch with min 3000W at 4Ω per side

EYEBOLT SUSPENSION

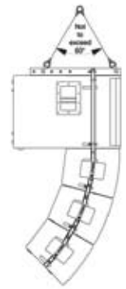
The following table defines the maximum number of speakers that may be suspended using the two M10 eyebolt attachment points provided on the cabinets. A minimum design factor of 7:1 is maintained for all speaker configurations at or below those indicated in the table.

Max # of VRX918S in array	5	4	3	2	1	0
Max # of VRX932LA in array	0	2	4	5	6	6

Max # of VRX915S in array	4	3	2	2	2	0
Max # of VRX928LA in array	0	2	3	4	5	6



EYEBOLT SUSPENSION



ARRAY FRAME SUSPENSION

MEDIUM FORMAT LINE ARRAYS

JBL VT4886 SERIES

NEW!

This system has been specifically designed to be one of the most versatile tools in a portable sound rental company's inventory. VT4886 line-array elements can be suspended or ground-stacked, either standalone or with the VT4883 subwoofer for FOH, offstage fill, center cluster or delay cluster use. Mixed VT4883/VT4886 arrays can be suspended and supplemented with additional ground-stacked VERTEC subwoofers (VT4881A, VT4882, VT4880, VT4880A) for extended-range FOH use. The VT4886 is ideal for distributed front fill or under-balcony use.

VT4886
3 Way Passive Line Array
2 x 6.25" LF, 4 x 2.5" MF, 2 x 1" HF
65 Hz – 20 kHz (–10dB)
110° nominal H x 15° V
197 x 579 x 261 (H x W x Dmm)
15.4 kg
Optional accessories: AF array frame & AF adapter bar UB under-balcony adapter plate HB horizontal array bracket UB2 basic 2 point U bracket DF Downfill adapters

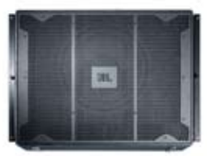
VT4883
Cardioid-arrayable subwoofer
2 x 12" Dual Coil LF
35 Hz – 300 Hz (–10dB)
398 x 579 x 643 (H x W x Dmm)
29.5 kg

VT4886 pole mounted using VT4886-UB2

JBL VT4887 SERIES

The VT4887A is designed to deliver high-quality reinforcement of music and speech in a variety of applications including concert audio and corporate A/V presentations of all types. HiQNet compatible with optional network modules.

VT4887A
Bi-amplified 3 Way Line Array
2 x 8" LF, 4 x 4" MF, 2 x 1" HF
55 Hz – 22 kHz (–10dB)
100° nominal H x 10° V
281 x 787 x 415 (H x W x Dmm)
30.4 kg
Optional accessories: AF – Array frame SF – Short frame ACC – cover and dolly kit
DrivePack ready (amplifier module)



VT4881A
Arrayable subwoofer
18" Dual Coil Ultra-long exursion LF
25 Hz – 160 Hz (–10dB)
569 x 787 x 654 (H x W x Dmm)
50.4 kg
DrivePack ready (amplifier module)

CARDIOID-ARRAYABLE SUBWOOFER

The VT4883 can be readily integrated into arrays of full-range VT4886 line array elements. Featuring a unique vented-bandpass enclosure topology, it is equipped with suspension fittings and an auxiliary front-panel input connector to enable reverse-arrayable implementation with multiple units in gradient cardioid subwoofer configurations.

Above Proudctions JBL VT4887 Rig in action at 2008 Cambridge Christmas in the Park

LARGE FORMAT LINE ARRAYS

JBL VT4888 SERIES

The VT4888 is designed to deliver high-quality reinforcement of music and speech in a variety of applications including concert audio and corporate A/V presentations of all types. HiQNet compatible with optional network modules.

VT4888
Tri-amplified 3 Way Line Array
2 x 12" LF, 4 x 5.5" MF, 2 x 1.5" HF
48 Hz – 18 kHz (–10dB)
90° nominal H x 10° V
356 x 991 x 508 (H x W x Dmm)
51 kg
Optional accessories: AF – Array frame SF – Short frame ACC – Cover and dolly kit
DrivePack ready (amplifier module)

VT4882
Arrayable subwoofer
2 x 15" Dual Coil LF
28 Hz – 120 Hz (–10dB)
457 x 1013 x 858 (H x W x Dmm)
52 kg
DrivePack ready (amplifier module)

JBL VT4889 SERIES

The VT4889 is designed to deliver high-quality reinforcement of music and speech in a variety of applications including concert audio and corporate A/V presentations of all types. HiQNet compatible with optional network modules.

VT4889-1
3 Way High Directivity Line Array
2 x 15" LF, 4 x 8" MF, 3 x 1.5" HF
40 Hz – 18 kHz (–10dB)
90° nominal H x 10° V
489 x 1213 x 546 (H x W x Dmm)
78.9 kg (Plymax enclosure)
Optional accessories: AF – Array frame SF – Short frame ACC – Cover and dolly kit
Powered version available

VT4880A
Fullsize Arrayable subwoofer
2 x 18" Dual Coil LF
25 Hz – 160 Hz (–10dB)
493 x 1229 x 860 (H x W x Dmm)
83.9 kg
Powered version available

Presidential Inauguration 2009, Wasington D.C.

World Cup Opening Ceremony, Munich, Germany

Bruce Springsteen World Tour

Rock In Rio (world's largest music festival) Lisbon, Portugal

PORTABLE LIVE PA

AMPLIFIERS

DUAL CHANNEL AMPLIFIERS

CROWN XLS DRIVECORE SERIES

- XLS High Performance, Lightweight Class D amp weighs less than 5 kgs.
- Integrated PureBand™ Crossover System for better performance and control
- Peakx™ Limiters provide maximum output while protecting your speakers
- XLR, 1/4", RCA inputs provide outstanding flexibility
- Efficient forced-air fans prevent excessive thermal buildup

(1kHz)	2Ω Dual/ch	4Ω Dual/ch	8Ω Dual/ch
XLS1000	550W	350W	215W
XLS1500	775W	525W	300W
XLS2000	1050W	650W	375W
XLS2500	1200W	775W	440W

CROWN XTi SERIES

- Integrated speaker presets with LCD front panel display
- Accurate, uncoloured sound with very low distortion for the best in music and voice reproduction
- Advanced protection circuitry guards against: shorted outputs, open circuits, DC, mismatched loads, general overheating, high-frequency overloads and internal faults
- Speaker presets for crossover frequencies, EQ, limiting, and delay

(1kHz)	2Ω Dual/ch	4Ω Dual/ch	8Ω Dual/ch
XTi1000	700W	500W	275W
XTi2000	1000W	800W	475W
XTi4000	1600W	1200W	650W
XTi6000	3000W	2100W	1200W

BANDMANAGER FOR XTi AMPLIFIERS

HiQnet Band Manager software lets you turn the power of the Crown XTi amplifier loose while greatly simplifying system setup and management.
A smaller, streamlined version of HiQnet System Architect, Band Manager uses the same XTi software plug in, but gets your amps configured with more speed and less work because it's tailored specifically to portable systems. Once it's automatically discovered up to eight USB-connected XTi amps, represented in a virtual rack, the included JBL speaker tunings can be easily loaded into each amplifier.
The Home screen automatically configures and displays monitor strips for each amp in the rack plus front-of-house EQ and level control, and allows you to quickly access each amp's processing.
Once you've set up your system, the amp settings can be saved for quick recall from the front panel.
If you need more advanced control, any rack configurations saved in Band Manager can be opened in System Architect.

CROWN MAi SERIES

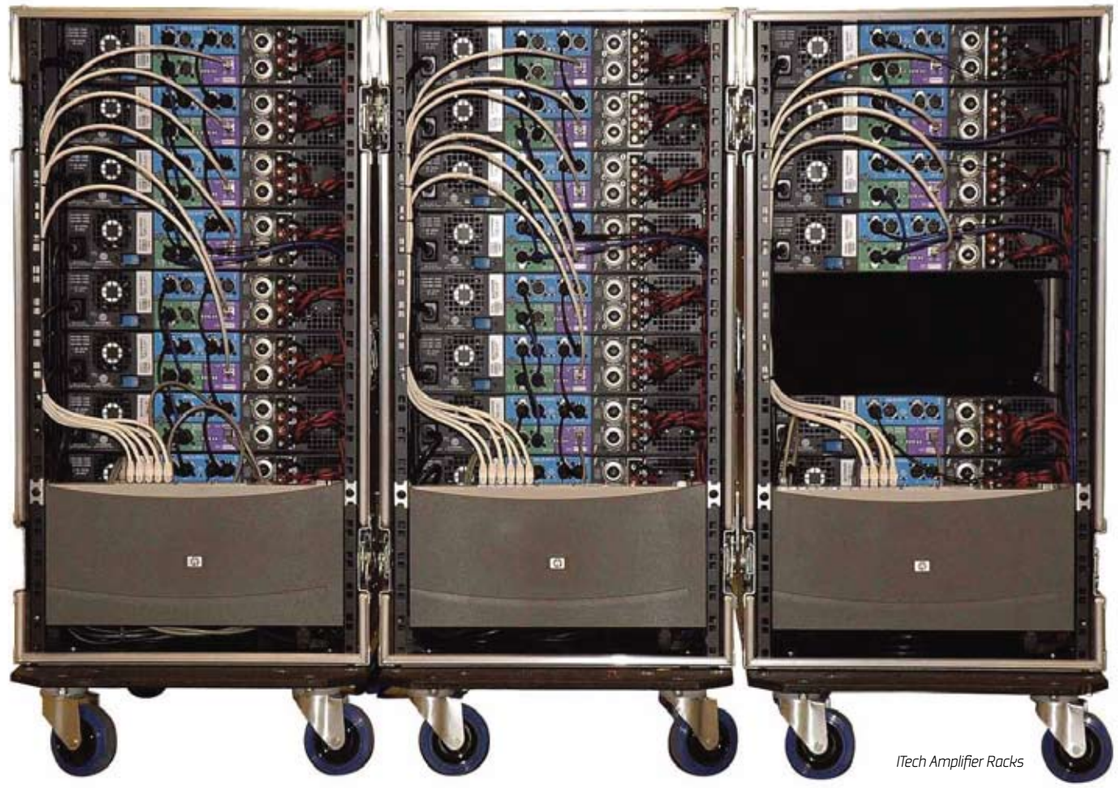
- Patented, cutting-edge Class-I circuitry gets more power out of an amplifier with less waste
- Rugged construction ensures that all Macro-Techs are built to withstand years of abuse on the road
- Built-in load, line voltage, input and output monitoring
- Standard Ethernet networking via System Architect® lets system operators monitor and control the amplifier from any location

(20Hz-20kHz)	2Ω Dual/ch	4Ω Dual/ch	8Ω Dual/ch
MA5000i	1800W	2000W	1250W
MA9000i	2500W	3000W	1500W
MA12000i	3500W	4000W	2100W

CROWN iTECH HD SERIES

- BSS DSP processing with IIR filters and linear phase FIR filters
- Front-panel USB connectortransfers presets to/from a USB drive to the amp's DSP
- LevelMAX™ peak voltage and RMS power limiters communicate with each other, resulting in smooth and accurate response, better sound, higher SPL
- The only product available with analog, AES/EBU, CobraNet, HiQnet and Ethernet connectivity

(20Hz-20kHz)	2Ω Dual/ch	4Ω Dual/ch	8Ω Dual/ch
IT5000i	2000W	2500W	1250W
IT9000i	2800W	3500W	1500W
IT12000i	3750W	4500W	2100W



iTech Amplifier Racks

SPEAKER MANANGEMENT SYSTEMS

DBX DRIVERACKPX

The DriveRack PX Powered Speaker Optimizer has everything you need to get the most out of your stereo powered speaker system. It even includes stereo or mono subwoofer support.

- Optimized for powered speakers
- Supports stereo speakers and subwoofer(s)
- Supports JBL and other popular powered speakers
- Easy-to-use wizards for setup, Auto-EQ, and AFS
- Classic dbx compression with graceful PeakPlus™ limiters
- Patented AFS Advanced Feedback Suppression
- 120A Subharmonic Synthesizer
- Auto-EQ optimizes sound quality for any room
- Patented dbx Type IV™ conversion system
- dbx M2 measurement mic included

DBX DRIVERACKPA+

From the makers of the world's most popular loud speaker management system comes the new DriveRack PA+

- Auto Level & Auto EQ Wizard with 28-Band RTA Tunes Your System (with Pink Noise Generator included)
- AFS Feedback Elimination / 120A Sub-harmonic Synthesizer / Compression / Limiters / Graphic & Parametric EQ / Output Alignment Delay
- JBL Speaker and Crown Power Amp Tunings included
- USB Firmware and Speaker Tunings Field Updatable With Harman HiQnet™ SystemArchitect
- Front-Panel Output Mutes
- 2x3, 2x4, 2x5, 2x6 Crossover Configurations
- Power on/off Mute Circuitry
- 25 User Programs/25 Factory Programs
- dbx RTA-M mic sold separatly

DBX DRIVERACK260

The DriveRack 260 was designed with the purpose and vision of providing state-of-the-art signal processing, while utilizing a simple and intuitive user interface. This goal has been achieved by offering two independent channels of processing power.

- Feedback Elimination
- 2.7 Seconds of Alignment and Zone Delay
- RS-232 PC GUI control
- Classic dbx Compression and Limiting
- Graphic and Parametric EQ / Auto-EQ Function
- Full Bandpass, Crossover, and Routing Configurations
- Auto Gain Control
- Pink Noise Generator and fulltime RTA
- Setup Wizard with JBL speaker & Crown Amplifier Tunings
- Security Lockout
- Wall Panel Control Inputs (See page 8)
- dbx RTA-M mic sold separatly

DBX DRIVERACK4800 and 4820

Designed to provide incredible flexibility, sonic excellence and intuitive control for performance applications, the DriveRack® 4800 is the new flagship of the hugely successful DriveRack family.

- Full Bandpass Filter, Crossover & Routing Configurations
- 31-Band Graphic and 9-band Parametric EQ on every input / 6-band Parametric EQ on every output
- Loudspeaker Cluster and driver Alignment Delays
- Selectable DSP inserts on all inputs and outputs including Compression/Limiting/AFS Advanced Feedback Suppression among others
- dbx ZC wall panel control (see page 8)

SPEAKER MANANGEMENT SYSTEMS

BSS MINIDRIVE FDS-334T and FDS-336T

Minidrive™ is specifically designed for smaller touring and installed sound applications aimed at either a bi-amp (FDS-334T) or tri-amped (FDS-336T) system.

- Simple menu-driven user interface with Navipad providing access to functions. PC control via RS-232.
- Lockable output level trim controls and mutes
- Each output assignable to any input or sum of inputs
- Assignable parametric EQ and delay on each input
- Full Bandpass, Crossover, and Routing Configurations
- Crossover, assignable parametric Q, mid-filter limiters, polarity and delay on each output.
- 6, 12, 18, 24, 36, 48 or 52dB crossover slopes (filter type dependent)
- 60 user programs

BSS OMNIDRIVE COMPACT PLUS FDS-366T

Top of the range loudspeaker management processor. Incorporating the very latest digital technology and DSP algorithms to provide the COMPACT plus with a truly astonishing audio performance. One FDS-366T can drive a true stereo 3-way system, or 3 bi-amp outputs for monitors.

- 3 in / 6 out
- Hi-Spec 24-bit converters / 96kHz Sample rate
- Stereo Digital Input (44.1/48/88.2/96kHz AES) as well as three analogue inputs
- New DSP algorithms for absolute phase matching
- Alignment Assistant – automatic driver delay setup
- Dynamic Equalisation on every input and output
- Freely assignable EQ filters
- PC control via RS-232, RS-485 and MIDI control options

dbx Driverack 260 and BSS 960 EQ's, NZ Idol, Tom Cat Production Services

DIGITAL GRAPHIC EQUALISERS

DBX iEQ SERIES GRAPHICS

The iEQ series represents a major step forward in the performance of graphic eq's. The iEQ series offers state-of-the-art digital EQ performance and specs with an analog look and feel. With 10Hz to 22kHz frequency response, 113dB dynamic range and Feedback Suppression, noise reduction and limiting, the iEQ-31 offers out of this world specifications with a down-to-earth price point.

ANALOGUE GRAPHIC EQUALISERS

DBX 2 SERIES GRAPHICS

The 2-Series represents a major step forward in the performance of entry-level graphic equalizers. From its amazing 10Hz to 50kHz frequency response, to its 108dB dynamic range and internal toroidal transformer, the 2-Series offers out of this world specifications with a down to earth price point.

DBX 12 SERIES GRAPHICS

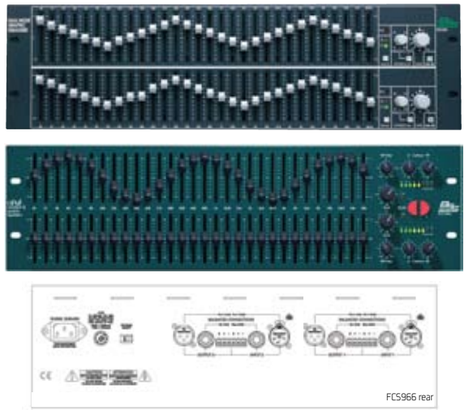
The dbx 12 Series eq's were precision engineered to provide years of maintenance-free operation in any application. The magnetically isolated transformer, electronically bal/unbal in's and servo bal/unbal out's, RF-filtered in's and out's, and power-off hard-wire relay bypass with 2 sec power up delay ensure compatibility for all installations.

DBX 20 SERIES GRAPHIC

You used to have to settle for second best in a reasonably priced EQ but not any more. With the new 20 Series from dbx you get a great EQ circuit, a graceful yet powerful limiter and the revolutionary new design of the Type III® Noise Reduction that increases S/N ratio by up to 20dB.

BSS FCS SERIES

The FCS-960 is a 30-band graphic equaliser featuring Dual Mode switching between Normal and Fine filter width settings on each channel. The Opal FCS-966 graphic features separate LF and HF contour filters which can change an overall sound balance without disturbing a detailed room or loudspeaker response. It also features Constant Q topology, pioneered by BSS Audio, which means that the filter width is constant whatever the fader gain setting.



DYNAMICS

DBX COMPRESSOR/LIMITER/GATES

Since its introduction in the mid 1970's, the dbx 160 series has been the world's most popular line of audio compressors. The 166XL and 266XL offer "goof proof" operation to smooth uneven levels, add sustain to guitars, fatten drums or tighten up mixes.

DBX 10 SERIES COMPRESSOR/LIMITER/GATES

The 1046 and 1066 are designed to provide the audio professional with great sounding dbx compression for a variety of applications. The dbx 1074 QuadGate™, is the perfect companion to the 1066 and 1046. The 1074 offers 4 channels of gating with threshold, depth and release controls on each channel.

DBX BLUE/PURPLE SERIES COMPRESSOR/LIMITER

Since its inception the 160S has become the mark for which other compressors reach. The state-of-the-art implementation of dbx's original Blackmer decilinear VCA boasts an unheard-of 127dB dynamic range for the 160SL and 118dB for the 162SL and ultra-low distortion.

CROSSOVERS

DBX 223 / 234 CROSSOVERS

All dbx crossovers are extremely well built, the controls exude great precision, and the feel is a solid "click". Inside the box, even though it costs a little more, dbx put the high quality power supply right in the unit. All the inputs and outputs are TRS differentially balanced 1/4" jacks that are bolted down to the chassis. This "nutting down" of the jacks insures that even if someone steps on a cable plugged into the unit, it's not going to tear up the circuit board inside.
All dbx crossovers feature Linkwitz-Riley 24 dB per octave filters, the professional standard.
Both models available with TRS or XLS connectors.

REVERBS

LEXICON MX SERIES

The MX series adds world-renowned Lexicon reverbs and effects to your studio recordings and your live performance. Multiple processors let you combine different reverbs and effects to suit your needs. Multiple effects routing options (easily configured on the front panel) and MIDI In and Thru make each MX unit a very versatile addition to any rack. All parameters of every reverb, delay and dynamic effect are available inside any VST® or AU compatible DAW program via USB. The included MXEdit ™ Librarian software lets you store and manage your presets from your computer as well.

MX processors include dbx® Dynamics such as Compressor and De-Esser tools. They also share a suite of modulated effects that includes Chorus, Flanger, Phaser, Tremolo/Pan, Rotary, Vibrato, Pitch Shift, and Detune.

LEXICON PCM92

Studio Standard/Live Sound Reverb and Effects Processor. With 4 decades of experience, Lexicon is regarded as the gold standard in digital audio processing.

The PCM92 delivers 28 mono and stereo reverbs, delays, and modulation effects, flexible routing configurations, and a comprehensive collection of over 1200 finely-crafted presets, including recognizable classics from our immense library of sounds.

Designed as a single rack space processor with two channels of balanced XLR or 1/4" analog I/O and two channels of XLR AES/EBU digital I/O, along with MIDI, Word Clock, and Ethernet, the PCM92 complements any large scale mixing console or integrates easily in your studio.

See pg 49 for the full PCM range

MONO/STEREO REVERBS AND EFFECTS

Room	Hall
Plate	Random Hall
Chorus/Flange	Chamber
Dual Delay	Concert Hall
Random Delay	Multivoice Pitch
VSO Pitch	Resonant Chords
Signal Generator	

DI BOXES

DBX DB SERIES

- Stackable Metal Chassis with Durable Rubber Foot
- Transformer Isolated
- Premium Shielded Custom dbx Transformer
- 3-Way 0/20/40 dB Pad Switch
- Flat/High-Cut Filter Switch
- Output Polarity Invert Switch
- Ground Lift Switch
- Low-Noise Active Circuitry (DB12 only)

BSS AR133

The audio signal path of the AR-133 is an enhanced design based upon the long established BSS AR-116, now regarded by many as a reference unit.
The sound quality, particularly on acoustic guitar and bass guitar pick-ups, is recognised as outstanding.
Can be run on battery or pha

ANALOGUE MIXING CONSOLES

SOUNDCRAFT NOTEPAD SERIES

All Notepad models boast 4 stereo line inputs, and suit a very wide range of applications where simple yet high-quality mixing is required, such as small band/cabaret PA systems, AV presentation systems, small broadcast edit suites, educational environments and general contracting. All models boast the acclaimed GB30 mic preamp and EQ technology in a highly-compact and solid chassis.

NOTEPAD102
2 Mono ch
4 Stereo ch
0 FX Processors
3 EQ bands
1 Aux Sends
1 Returns

NOTEPAD124 & NOTEPAD124FX
4 Mono ch
4 Stereo ch
1 FX Processors (FX only)
3 EQ bands
1 Aux Sends
1 Returns

SOUNDCRAFT GIGRAC SERIES

"The Box that Rocks" GigRac makes it easy to set up a PA, needing just speakers and cables to complete the system. Everything is provided, high-quality mic preamps, a great sounding 2-band EQ to cope with demanding sources, a 7-band graphic EQ designed by professional audio industry leaders BSS Audio, and a selection of preset digital effects.

GIGRAC600	GIGRAC1000st
8 Mono ch	8 Mono ch
4 Stereo ch	4 Stereo ch
2 x 300W / 4Ω	2 x 500W / 4Ω
1 FX Processors	1 FX Processors
2 EQ bands	3 EQ bands
1 Aux Sends	1 Aux Sends
2 Returns	2 Returns

SOUNDCRAFT EPM & EFX SERIES

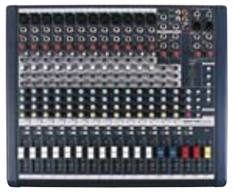
Low-cost high-performance mixers. EFX/EPM mixers bring Soundcraft sound quality, performance and value-for-money to a wide range of applications including recording, live sound, install and broadcast. Soundcraft has equipped the EFX/EPMs with all the appropriate features for modern mixing applications, at the same time creating an uncluttered and intuitive control surface that enhances the operator experience.

EPM
6, 8 or 12 Mono ch
2 Stereo ch
0 FX Processors
3 EQ Bands
2 Aux Sends
1 Returns
RMK Optional 8ch, Included 12ch

EFX
8 or 12 Mono ch
2 Stereo ch
1 FX Processors
3 EQ Bands
2 Aux Sends
2 Returns
RMK Optional 8ch, included 12ch

SOUNDCRAFT MPMI & MFXI SERIES

Soundcraft's MFX/MPM mixers are compact and ideally equipped for live sound applications including fixed installations, houses of worship and portable PA.
MFX mixers have built-in 24-bit Lexicon processing, delivering 32 stunning reverb, delay and chorus effects. MPM mixers replace the MFX's internal FX send with a third Aux send, for operators preferring to use external effects.



MPMI
12 or 20 Mono ch
2 Stereo ch
0 FX Processors
2 Groups
3 EQ bands
3 Aux sends
1 Returns
RMK Optional 20ch, Included 12ch

MFXI
8, 12 or 20 Mono ch
2 Stereo ch
1 FX Processors
2 Groups
3 EQ bands
3 Aux sends
3 Returns
RMK Optional 8/20ch, Included 12ch

ANALOGUE MIXING CONSOLES

SOUNDCRAFT M SERIES

In a world full of cheap compact mixers, Soundcraft has achieved something exceptional with the Soundcraft M Series. Equally suited to recording and live sound applications, the Soundcraft M Series delivers a great-sounding, reliable performance.

M Series
4, 8 or 12 Mono ch
4 Stereo ch
S/PDIF Digital I/O
3 EQ bands
4 Aux sends
4 Returns
Direct Outputs (pre or post fade)
RMK M8, M12 Included RMK M4 Optional

SOUNDCRAFT FXII SERIES

Great sound quality, professional build quality, flexible 4-bus architecture and a space-saving sixteen mic inputs and direct outputs, new 24-bit Lexicon on-board effects section and universal internal power supply. The FX16ii includes 100mm faders and the frame can be optionally rackmounted. Cables can be conveniently located behind the rack by simply rotating the connector pod.

FX16ii
16 Mono ch
1 FX Processors
2 Groups
3 EQ bands
4 Aux sends
5 Returns
Direct Outputs
RMK Included

SOUNDCRAFT LXII SERIES

The LX7ii's are derived from designs used in the acclaimed MH Series live sound consoles, they gift the LX7ii with an exceptionally open sound and an almost unnervingly low noise floor. The LX7ii can handle both FOH and monitors, making it ideal for live sound applications in small to medium-sized venues. And direct channel outputs allow for simple connection of multitrack recording equipment, making the LX7ii equally at home in the studio.

LXII Series
16, 24 or 32 Mono ch
2 Stereo ch
4 Groups
4 EQ bands
6 Aux sends
4 Returns
Direct Outputs

SOUNDCRAFT GB30 MIC PREAMP

In 2004 Soundcraft's 30th anniversary, Soundcraft co-founder and Technical Director Graham Blyth developed a new microphone preamp and 4-band EQ circuits of extraordinary clarity and musicality, called the GB30. Totally re-engineered and derived from designs used in Soundcraft's acclaimed MH Series professional live sound consoles, they gift Soundcraft consoles with an exceptionally open sound and an almost unnervingly low noise floor.

Graham Blyth explains the development of his GB30 designs: "It is particularly important in live applications to have a mic preamp that has a well controlled overload response. Many preamp designs achieve excellent THD figures by wrapping tons of negative feedback around the front end. Unfortunately, these topologies tend to behave badly under overload conditions, creating an untidy and muddy sound." "The new GB30 preamp achieves excellent performance figures by using local linearisation techniques rather than global feedback, together with a wide frequency response and excellent phase linearity. All these factors result in an exemplary preamp for all applications."

SOUNDCRAFT GB SERIES

As always with Soundcraft consoles, emphasis has been placed on operational simplicity, clear and intuitive layout and the highest possible audio performance. All GB Series consoles have GB30 Mic preamplifier and GB30 Equaliser designs.

GB2R Front

GB2R Back

GB8 Front and Back

GB2R Rack Mount Version	GB2	GB4	GB8
12 or 16 Mono Ch	16, 24 or 32 Mono Ch	12, 16, 24, 32 or 40 Mono Ch	24, 32, 40 or 48 Mono Ch
2 Stereo Ch	2 Stereo Ch	2 Stereo Ch	4 Stereo Ch
2 Groups	4 Groups	4 Groups	8 Groups
4 EQ bands	4 EQ bands	4 EQ bands	4 EQ bands
6 Aux sends	6 Aux sends	8 Aux sends	8 Aux sends
2 Returns	1 Returns	3 Returns	5 Returns
Direct Outputs	Direct Outputs	Direct Outputs	Direct Outputs
	2 Matrix Outputs	4 Matrix Outputs	4 Matrix Outputs

SOUNDCRAFT MH SERIES

MH Series are Soundcrafts flagship analog consoles. Versatile design, allowing FOH, Monitors, or Monitors from FOH configurations. THe MH3 offers modular blocks for flexible layouts. THe MH4 also offers 16 Monitor busses: 16 mono, 12 mono + 2 stereo or 8 mono + 4 stereo (Monitor mode).

MH2	MH3	MH4
24, 32, 40 or 48 Mono Ch	24, 32, 40, 48 or 56 Mono Ch	32, 40, 48 or 56 Mono Ch
4 Stereo Ch	4 Stereo Ch	4 Stereo Ch
8 Groups	8 Groups	8 Groups
4 EQ bands	4 EQ bands	4 EQ bands
10 Aux sends	12 Aux sends	16 Aux sends
8 Returns	8 Returns	8 Returns
Direct Outputs	Direct Outputs	Direct Outputs
4 Matrix Outputs	4 Matrix Outputs	8 Matrix Outputs
	VU meterbridge optional	VU meterbridge included

DIGITAL MIXING CONSOLES

SOUNDCRAFT Si SERIES

When you need massive mixing power in a compact footprint, you need a Soundcraft Si Series console – the 'one box' digital mixing system that sacrifices nothing in the pursuit of space efficiency. With no external processing rack, an Si Series console simply plugs in where your analogue console used to be, immediately delivering the full power of a sophisticated digital live sound mixer with no need for new fibre snakes or stage boxes. And unlike other compact digital mixers, the Si Series provides full physical access to all busses at all times. Slots are provided for option cards which include a MADI card for accessing channel direct outputs for connection to recording systems.

Si3 in-house console at THE EDGE, Auckland

Si1 Rear

Si2

Si COMPACT avail late 2010
16, 24 or 32 ch
Lexicon effects
BSS processing
Motorised faders
I/O on rear panel
Stagebox option

Si1
32 ch or 72 with upgrade
Variable Stereo Channels
4 FX Processors
24 Groups
4 EQ bands
24 Aux sends
4 Returns
Direct Outputs
8 Matrix Outputs

Si2
48 ch or 80 with upgrade
Variable Stereo Channels
4 FX Processors
24 Groups
4 EQ bands
24 Aux sends
4 Returns
Direct Outputs
8 Matrix Outputs

Si3
64 ch or 80 with upgrade
Variable Stereo Channels
4 FX Processors
24 Groups
4 EQ bands
24 Aux sends
4 Returns
Direct Outputs
8 Matrix Outputs

SOUNDCRAFT Vi SERIES

Direct access to all functions with maximum information and visibility at all times. A unique integration of touch screens and encoders eliminating complex and fatiguing mental mapping. A compact operating surface with a perfectly optimised control density. A pristine audio path with highly acclaimed mic preamplifiers gives possibly the cleanest sound of any digital console available today. The time has come to forget the console and focus on the creativity. The time has come for Soundcraft Vi Series™ digital live sound consoles.

Two Vi6 consoles supplied by College Hill Productions for Big Day Out 2010

Vi1

Vi2

Vi1 Rear

Vi4

Vi1
64 ch
Variable Stereo Channels
4 FX Processors
24 Groups
4 EQ bands
24 Aux sends
Direct Outpts
8 Matrix Outputs
Digital stagebox optional

Vi2
64 ch or 96 with upgrade
Variable Stereo Channels
8 FX Processors
32 Groups
4 EQ bands
32 Aux sends
Direct Outputs
16 Matrix Outputs
Digital stagebox included

Vi4
48 ch or 72 with upgrade
Variable Stereo Channels
8 FX Processors
32 Groups
4 EQ bands
32 Aux sends
Direct Outputs
16 Matrix Outputs
Digital stagebox included

Vi6
64 ch or 96 with upgrade
Variable Stereo Channels
8 FX Processors
32 Groups
4 EQ bands
32 Aux sends
Direct Outputs
16 Matrix Outputs
Digital stagebox included

STUDIO / BROADCAST

MIC PRE-AMPLIFIERS
47

dbx 286, 376, 386

RECORDING INTERFACES
47

Lexicon Alpha, Lambda, Omega, Ionix

REVERB / EFFECTS / PROCESSORS
49

Lexicon MX, PCM
dbx 120A, 160, 166XL, 266XL, 10 Series, 160SL, 162SL

STUDIO MONITORS
51

JBL Control, MSC1, LSR 2300, LSR4300, LSR6300

RECORDING CONSOLES
55

Soundcraft Notepad, M Series, FXii, LXi, GB, Ghost LE

BROADCASTING CONSOLES
57

Soundcraft RM100, RM105, Vi
Studer Vista On Air

LSR6300 series installed at Digital Post, Auckland

MIC PRE-AMPLIFIERS

DBX 286

The broadcast industry standard mic processor. The dbx 286A's sonically pristine Mic Preamp has all the features you need, including wide-ranging input gain control, switchable 48V phantom power and an 80Hz high-pass filter.

- New dbx® standard internal power supply
- Frequency control for De-Esser
- Expanded meter to show heavy De-Essing
- Above/Below threshold indicator for gate
- +48VDC Phantom Power
- Precision detented controls

DBX 376 / 386 SILVER SERIES

386 dual channel tube mic preamp combines the warmth of the irreplaceable vacuum tube with the proprietary dbx® Type IV™ conversion system. The 376 has taken the essential tools needed for recording and put them all on a single channel strip.

- 200V tube plate voltage, Selectable mic/line switch
- +48 Volt phantom power
- 3-Band Parametric EQ, Compressor, De-Esser (376 only)
- Front panel instrument input, Drive meter LEDs
- Threshold and De-Esser meters
- 8 segment analog or digital meter
- Selectable sampling rate (96, 88.2, 48, 44.1kHz)
- 24, 20 and 16 bit wordlengths
- AES/EBU and S/PDIF digital outputs
- Selectable dither and noise-shaping algorithms

LEXICON ALPHA, LAMBDA, OMEGA

CUBASE LE4

Lexicon's three complete desktop recording solutions make it easy to record, arrange, edit, process and mix your music. The Alpha, Lambda and Omega all feature Cubase® LE, the popular recording production suite from Steinberg®, and Lexicon® acclaimed Pantheon™ VST® reverb plug-in. The Pantheon™ plug-in delivers that "Lexicon Sound" used on most of today's recorded music and movies. Tweak the parameters of six different reverb types. Or use one of the 35 factory presets.

ALPHA
1 x XLRF mic inputs
No insert inputs
2 x 1/4" TRS line inputs
1/4" mono jack instrument input
2 x 1/4" TRS & RCA line outputs
1/8" stereo jack headphone output
No Phantom Power
+44dB GAIN
No MIDI interface
No digital input and ouput
USB Bus-powered

LAMBDA
2 x XLRF mic inputs
2 x 1/4" TRS insert inputs
2 x 1/4" TRS line inputs
1/4" mono jack instrument input
2 x 1/4" TRS line outputs
1/8" stereo jack headphone output
+48 Volt DC Phantom Power
+44dB GAIN
MIDI in/MIDI out
No digital input and ouput
USB Bus-powered

OMEGA
2 x XLRF mic inputs
2 x 1/4" TRS insert inputs
4 x 1/4" TRS line inputs
1/4" mono jack instrument input
2 x 1/4" TRS line outputs
1/4" stereo jack headphone output
+48 Volt DC Phantom Power
+50dB GAIN
MIDI in/MIDI out
RCA (S/PDIF format) digital input and ouput
9VAC adapter supplied

RECORDING INTERFACES

LEXICON IONIX SEREIS

CUBASE LE4

It's easy to complete your mix and make your music sound its best with the exquisitely rich, full reverbs that made Lexicon famous. The U Series feature USB 2.0 connection to DAW – up to 480Mbps, 44.1 to 96kHz sample rates and 24-bit resolution. Software suite includes Cubase LE4 and Pantheon II reverb plug in for all Ionix recording interfaces.

U22
2 x Simult. recording sources
2 x Microphone pre-amps
2 x combi-jack analog mic & line inputs
1/4" TS Hi-Z instrument input
Dynamic Range (24bit, A-weighted, 20Hz – 20kHz): A/D 108 dB, D/A 110 dB, A/D/A 102 dB
No S/PDIF
MIDI interface
1/4" TRS headphone out
2 x 1/4" TRS analog line outputs

U42S
6 x Simult. recording sources
4 x Microphone pre-amps
4 x combi-jack analog mic & line inputs
Dynamic Range (24bit, A-weighted, 20Hz – 20kHz): A/D 108 dB, D/A 110 dB, A/D/A 102 dB
2 x 1/4" TS Hi-Z instrument input
S/PDIF in/out
MIDI interface
2 x 1/4" TRS headphone outs
2 x 1/4" TRS analog line outputs

U82S
10 x Simult. recording sources
8 x Microphone pre-amps
8 x combi-jack analog mic & line inputs
Dynamic Range (24bit, A-weighted, 20Hz – 20kHz): A/D 108 dB, D/A 110 dB, A/D/A 102 dB
2 x 1/4" TS Hi-Z instrument input
S/PDIF in/out
MIDI interface
2 x 1/4" TRS headphone outs
2 x 1/4" TRS analog line outputs

The FW810S is a pro recording studio contained in a single rack unit and features FireWire 400 ports and Cubase LE4, Toontrack EZ drummer lite software and the Pantheon II reverb plug in.

FW810S
10 x Simult. recording sources
8 x Microphone pre-amps
6 x combi-jack analog mic & line inputs
dbx dynamics (comp, limiter, gate, EQ) on all 8 channels
2 x combi-jack mic, line, inst
Stereo S/PDIF in/out
MIDI interface
1/4" TRS headphone out
8 x 1/4" TRS analog outputs (7.1 surround capable) & stereo main (control room) outs

Screen shots showing clockwise from right: Software mixer, Parmetric EQ, Compressor/Gate/Limiter, Pantheon II reverb plug-in

REVERB/EFFECTS PROCESSORS

LEXICON MX SERIES

The revolutionary MX series changed everything. The great sound of a hardware Lexicon reverb — plus the ability to put that power to work as part of your DAW workflow via PC VST® and Mac® AU plug-ins. Just link your computer to the MX unit with a USB cable and control automation and recall parameters exactly as you would with any software plug-in. You get the sonic benefits only Lexicon hardware can provide...without bogging down your computer's CPU with the extreme demands of reverb plug-ins.

MX200
16 legendary Lexicon reverbs
Lexicon delays & modulation effects
Dual-processor design
99 Factory & user programs
24 bit, 48kHz Sample rate
USB Interface with Gui
1/4" TRS foot pedal
4 effect routing options

MX300
16 legendary Lexicon reverbs
Lexicon delays & modulation effects
Dual-processor design
99 Factory & user programs
24 bit, 48kHz Sample rate
USB Interface with Gui
1/4" TRS foot pedal
LCD screen - front panel control
5 effect routing options

MX400
17 legendary Lexicon reverbs
Lexicon delays & modulation effects
Quad-processor design
99 Factory & user programs (2)
24 bit, 48kHz sample rates
USB Interface with Gui
1/4" TRS foot pedal
LCD screen - front panel control
7 effect routing options
Surround sound processing

The first time you ever heard reverb on an album track, chances are you were hearing Lexicon.

Lexicon invented digital processing. And they have been perfecting it for thirty years.

LEXICON PCM SERIES

With 4 decades of experience, Lexicon is regarded as the gold standard in digital audio processing. An artful blend of heritage and innovation, the PCM96 Stereo Reverb/Effects Processor delivers 28 new and legendary Lexicon reverbs, delays and modulation effects straight into your DAW. Building on the legendary design of the venerable PCM81 and PCM91, and the breakthrough technology of the PCM96, the PCM92 represents the most advanced reverb and effects processor in its class.

PCM92
2 channel
28 reverbs, delays & modulation effects
1200+ factory presets
Room algorithm for music & film production
44.1 to 96 kHz sample rate
Ethernet connectivity
7 routing configurations

PCM96
4 channel
28 reverbs, delays & modulation effects
1200+ factory presets
Room algorithm for music & film production
44.1 to 96 kHz sample rate
Ethernet or firewire connectivity
11 routing configurations

PCM96-SURROUND
6 channel
50 reverbs, delays & modulation effects
2200+ factory presets
Surround room algorithm for music & film production
44.1 to 96 kHz sample rate
Ethernet or firewire connectivity
24 routing configurations

PCM Native Reverb Plug-in

LXP Native Reverb Plug-in

EFFECTS PROCESSORS

DBX 120A SUBHARMONIC SYTHESIZER

Why just rock the house when you can shake the foundation loose? For decades, the patented dbx Subharmonic Synthesis has been the secret weapon used by mobile DJ's and film and sound professionals to produce an impact unavailable from any other device. Subharmonic Synthesis brings out and extends bass frequencies, producing tremor-like lows you can feel as well as hear.

120A
2 x 1/4" TRS and RCA inputs
2 x 1/4" TRS analog outputs
20Hz-20kHz ±0.5dB, (no synthesis, full-range mode) 15Hz-90kHz +0, -3dB
+22dBu (1/4") +8.5dbV (RCA) maximum input level
26-56Hz Synthesis Feq Range
45mm x 483mm x 158mm

Applications:

- Nightclub & dance mixing
- DJ Mixing
- Theater and Film Sound
- Music Recording
- Live Music Performance
- Broadcasting

DBX 10 SERIES COMPRESSOR/LIMITER/GATES

The 1046 and 1066 are designed to provide the audio professional with great sounding dbx compression for a variety of applications. The dbx 1074 QuadGate™, is the perfect companion to the 1066 and 1046. The 1074 offers 4 channels of gating with threshold, depth and release controls on each channel.

COMPRESSORS

DBX COMPRESSOR/LIMITER/GATES

Since its introduction in the mid 1970's, the dbx 160 series has been the world's most popular line of audio compressors. The 166XL and 266XL offer goof proof operation to smooth uneven levels, add sustain to guitars, fatten drums or tighten up mixes.

DBX COMPRESSOR/LIMITERS

Since its inception the 160S has become the mark for which other compressors reach. The state-of-the-art implementation of dbx's original Blackmer decilinear VCA boasts an unheard-of 127dB dynamic range for the 160SL and 118dB for the 162SL and ultra-low distortion.

STUDIO / BROADCAST

STUDIO MONITORS

JBL CONTROL SERIES

The Control Series reference monitors offer rugged, compact, cost effective monitoring. The Control 1 Pro's updated crossover network design provides steeper crossover slopes for exceptional sonic performance and improved consistency throughout the listening area. The Control 2P Compact Powered Reference Monitor ideal for desk-top recording and video production, audio visual presentations, professional broadcast applications, and monitoring of electronic musical instruments.

CONTROL 1 PRO
5.25" studio monitor
80 Hz – 20 kHz (-10dB)
150W / 4Ω nominal
87 dB (Sensitivity)
Spring loaded terminals
235 x 159 x 143 (H x W x Dmm)
1.8kg
Mounting bracket included

CONTROL2PS
5.25" shielded powered monitors
80 Hz – 20 kHz (-10dB)
35W Continuous per channel
115 dB (max SPL)
Balanced XLR, Unbal RCA's
235 x 159 x 143 (H x W x Dmm)
4.8kg
MTC-2P wall mount kit optional

CONTROL2PM
5.25" powered monitor master
80 Hz – 20 kHz (-10dB)
35W Continuous
111 dB (max SPL)
Balanced XLR, Unbal RCA's
235 x 159 x 143 (H x W x Dmm)
2.6kg

JBL MSC1 MONITOR SYSTEM CONTROLLER

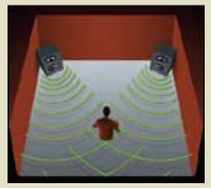
The new MSC1 controller will work with any studio monitor system in any room. Command all control room monitoring functions right from your mix position. The MSC1 provides essential "monitor strip" features found in large mixing consoles. Since the acoustics of your room can play a big part in what you hear, the MSC1 includes JBL's highly acclaimed RMC Room Mode Correction Technology. Includes Calibration Microphone and MSC1 Software.*

(*Control Center Software is compatible with XP and Vista 32-bit and 64-bit operating systems. Use on a Macintosh computer requires Macintosh Version MSC1 Control Center, and Macintosh OS. MSC1 Control Center Software for Macintosh OS available Mid 2010. Check www.jands.co.nz and click on Technical Resources.)

WHAT IS JBL RMC ROOM MODE CORRECTION?

A JBL first, the RMC™ Room Mode Correction system includes everything needed to analyze LF problems and restore low frequency accuracy at the mix position. RMC is included in JBL's premium LSR6300 series, LSR4300 Series and the new MSC1 controller. The MSC1 makes RMC available at a most affordable price point for use with any speakers.

Without RMC



After RMC Calibration

WHAT ARE THE PROBLEMS IN THE ROOM AND HOW DOES RMC HELP?

In low bass region, the room is in control – Rooms resonate at low frequencies. The resonance is the result of Standing Waves or Room Modes. Room modes can mislead you giving you a false impression of bass at the mix position. A Room Mode is caused by the room's geometry. In a typical project studio, the strongest room modes exist at 60Hz and below. When your speakers play bass frequencies, say from a bass guitar, the room may resonate at the frequency of the room mode. The effect is a boomey sound that continues to ring even after the note is gone. This is perceived to be a problem in the mix, when actually it is a problem in the room. Depending on where the speakers are placed and where you are sitting, it can be very dramatic. If you don't correct for this problem, you may attenuate, limit or eq bass signals that excite the problem. But the problem is not the mix. It is the way the mix sounds in that specific room. And if you react by changing your mix, the mix will sound bass-light everywhere else it is played.

Professional studios eliminate the problem by building real bass traps in the control room. Since low frequencies wave lengths are very long (50 Hz has a 22 foot wave length) it takes a lot of space and mass to absorb the frequencies that excite the room modes. Most studios have neither the room nor budget to build real bass traps. Putting absorptive material on the walls does not help low frequency problems. Additionally, a speaker's proximity to walls and the work surface can cause reinforcement of upper base frequencies, and coloration that may also adversely affect mix balances.

JBL RMC™ Room Mode Correction in the MSC1 is an analyzer that measures the problem and applies filters that dramatically improve the bass performance. It can make a big difference in problematic rooms. Once the system is calibrated, you can make better mixes, that sound right when played on other systems. Achieving mix balances is no longer a struggle and mixing is a pleasure.

JBL LSR 2300 SERIES

Each LSR2300 Model is equipped with a compliment of professional features for use in a wide range of applications. The monitors include balanced XLR, balanced 1/4" TRS, and RCA unbalanced input connectors to allow connection of professional mixing consoles, computer audio interfaces, audio visual equipment, and consumer audio systems.

LSR2325P
5.25" 2 way powered monitor
43 Hz – 20 kHz (-10dB)
55W LF / 35W HF
92 dB (SPL / 1m)
Bal XLR, 1/4" TRS, RCA inputs
303 x 187 x 258 (H x W x Dmm)
7.7kg
4 threaded mounting points

LSR2328P
8" 2 way powered monitor
37 Hz – 20 kHz (-10dB)
95W LF / 70W HF
92 dB (SPL / 1m)
Bal XLR, 1/4" TRS, RCA inputs
397 x 254 x 335 (H x W x Dmm)
12.7kg
4 threaded mounting points

LSR2310SP
10" powered subwoofer
28 Hz – 2 kHz (-10dB)
180W
92 dB (SPL / 1m)
Bal XLR, 1/4" TRS, RCA inputs
414 x 381 x 460 (H x W x Dmm)
20.7kg

STUDIO MONITORS

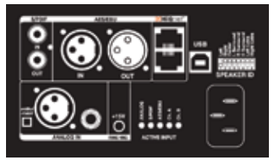
JBL LSR 4300 SERIES

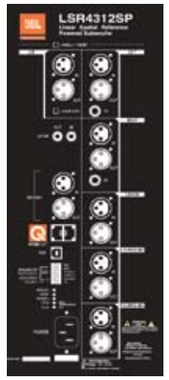
Introducing the new JBL LSR4300 Studio Monitors featuring RMC™ Room Mode Correction, JBL's exclusive technology that automatically analyzes and corrects the response of each speaker in the room for absolute accuracy at the mix position. The first studio monitors with powerful network intelligence built into each speaker specifically designed to deliver an accurate mix in any room, the LSR4300's are the ultimate monitor for modern production studios. The LSR4300 models feature stunning JBL sound, provide accurate mixes in any workspace, and are priced well within the reach of any project studio. The first self aware monitoring system, they're the only choice for music, post, broadcast, Surround 5.1, and beyond.

LSR4326P
6.25" 2 way powered monitor
39 Hz – 32 kHz (-10dB)
150W LF / 70W HF
94 dB (1m)
24 Bit, 96 kHz
387 x 236 x 262 (H x W x Dmm)
12.7kg
XLR, Bal 1/4", AES/EBU XLR, S/PDIF RCA inputs
LSR4326P-PAK available which includes 2 x LSR4326P monitors and RMC4300 Kit

LSR4328P
8" 2 way powered monitor
35 Hz – 32 kHz (-10dB)
150W LF / 70W HF
94 dB (1m)
24 Bit, 96 kHz
438 x 267 x 269 (H x W x Dmm)
13.1kg
Magnetically shielded
LSR4328P-PAK available which includes 2 x LSR4326P monitors and RMC4300 Kit

LSR4312
12" powered subwoofer
27 Hz – 250 Hz (-6B)
450W
94 dB (1m)
24 Bit, 96 kHz
502 x 406 x 489 (H x W x Dmm)
29.5kg





JBL LSR 4300 SERIES TESTIMONIAL

Jimmy Douglas the multi-GRAMMY® Award-Winning Engineer, Producer whose credits include projects with: Duran Duran, Jay-Z, Justin Timberlake, Ludacris, Missy Elliott, Timbaland, Nelly Furtado, Rob Thomas, Foreigner, Aretha Franklin, & The Rolling Stones.

Amazing ears, extraordinary musicality and technological savvy keep Jimmy Douglass first call among top producers and artists. "I picked up a JBL LSR4300 5.1 surround system for my studio because the speakers are extremely transparent, very very clear, and with RMC tune - ability, everything is right in its place. They're a really great reference." Hear why world-renowned engineer, producer, Jimmy Douglass relies on the sound and revolutionary technology in the award-winning LSR series studio monitors. Call Jands for a demo (09) 275 8710.

STUDIO MONITORS

JBL LSR 6300 SERIES

The award-winning JBL LSR6300 Series professional loudspeakers deliver the exceptional accuracy and performance needed in demanding music, post audio and broadcast applications. Each model provides ultra-flat response, extraordinary SPL capability and technology to optimize performance in any size production environment. All models are shielded, ready for mounting and THX® pm3T approved.

LSR6325P
5.25" 2 way powered monitor
48 Hz – 20 kHz (-10dB)
100W HF / 50W LF
96 dB (1m)
XLR, RCA inputs
269 x 173 x 241 (H x W x Dmm)
7.7kg
Includes mounting points

LSR6328P
8" 2 way powered monitor
36 Hz – 20 kHz (-10dB)
250 W HF / 120W LF
96 dB (1m)
XLR, 1/4" inputs
406 x 330 x 325 (H x W x Dmm)
17.7kg
Includes mounting points RMC enabled RMC-Kit included with PAK only

LSR6332
12"/5" 3 way monitor
35 Hz – 22 Hz (-10dB)
200W / 4Ω
90 dB (1w/1m)
Dual 5 way Binding Posts
635 x 394 x 292 (H x W x Dmm)
20.4kg
Includes mounting points

LSR6312SP
12" powereed subwoofer
26 Hz – 80 Hz (-10dB)
260W
96 dB (1m)
XLR, 1/4" inputs
635 x 394 x 292 (H x W x Dmm)
22.7kg
Inlcudes mounting points RMC enabled RMC-Kit included with PAK only

JBL LSR 6300 SERIES TESTIMONIAL

Eddie Kramer is noted for his legendary recordings of Jimi Hendrix, The Rolling Stones, Led Zeplin, David Bowie and the memorable performances of arguably the most significant musical event in history, the 1969 Woodstock Festival. Celebrating the festival's 40th anniversary, Warner Home Video has released "Woodstock: 40th Anniversary—Ultimate Collector's Edition" on Blu- Ray disc. The release features a re-mastered director's cut of the original film, including many previously unreleased performances. Eddie Kramer was called on by Warner Home Video to mix this wealth of material. In a video interview at Capitol Records Studios, Eddie Kramer talked about the project and complimented JBL on the LSR6300 Series Studio Monitors. "I can hear tremendous detail in these JBL monitors. I think JBL is really doing it right these days."

ANALOGUE CONSOLES

SOUNDCRAFT NOTEPAD SERIES

NEW!

All Notepad models boast 4 stereo line inputs, and suit a very wide range of applications where simple yet high-quality mixing is required, such as small broadcast edit suites plus much more. Both models provide a recording output of the mix on RCA/Phono connectors as well as a stereo input for CD playback etc.

NOTEPAD 102
2 Mono ch
4 Stereo ch
0 FX Processors
3 EQ bands
1 Aux Sends
1 Returns

NOTEPAD124 & NOTEPAD124FX
4 Mono ch
4 Stereo ch
1 FX Processors (FX only)
3 EQ bands
1 Aux Sends
1 Returns

SOUNDCRAFT M SERIES

In a world full of cheap compact mixers, Soundcraft has achieved something exceptional with the Soundcraft M Series. Equally suited to recording and live sound applications, the Soundcraft M Series delivers a great-sounding, reliable performance.

Applications :

- Live sound reproduction / Home studio recording
- Keyboard, samplers, synthesisers and electronic instrument mixing
- Location mixing
- Multimedia production
- Video post production

M Series
4, 8 or 12 Mono ch
4 Stereo ch
S/PDIF Digital I/O
3 EQ bands
4 Aux sends
4 Returns
Direct Outputs (pre or post fade)
RMK M8, M12 Included RMK M4 Optional

SOUNDCRAFT GB SERIES

As always with Soundcraft consoles, emphasis has been placed on operational simplicity, clear and intuitive layout and the highest possible audio performance. All GB Series consoles include GB30 mic preamps which boast extraordinary clarity with exceptionally controlled overload characteristics.

GB2
16, 24 or 32 Mono Ch
2 Stereo Ch
4 Groups
4 EQ bands
6 Aux sends
1 Returns
Direct Outputs
2 Matrix Outputs

GB2R
12, 16 Mono Ch
2 Stereo Ch
2 Groups
4 EQ bands
6 Aux sends
2 Returns
Direct Outputs

GB4
12, 16, 24, 32 or 40 Mono Ch
2 Stereo Ch
4 Groups
4 EQ bands
8 Aux sends
3 Returns
Direct Outputs
4 Matrix Outputs

GB8
24, 32, 40 or 48 Mono Ch
4 Stereo Ch
8 Groups
4 EQ bands
8 Aux sends
5 Returns
Direct Outputs
4 Matrix Outputs

SOUNDCRAFT FXII SERIES

Great sound quality, professional build quality, flexible 4-bus architecture and a space-saving sixteen mic inputs and direct outputs, new 24-bit Lexicon on-board effects section and universal internal power supply. The FX16ii includes 100mm faders and the frame can be optionally rackmounted. Cables can be conveniently located behind the rack by simply rotating the connector pod.

FX16ii
16 Mono ch
1 FX Processors
2 Groups
3 EQ bands
4 Aux sends
5 Returns
Direct Outputs
RMK Included

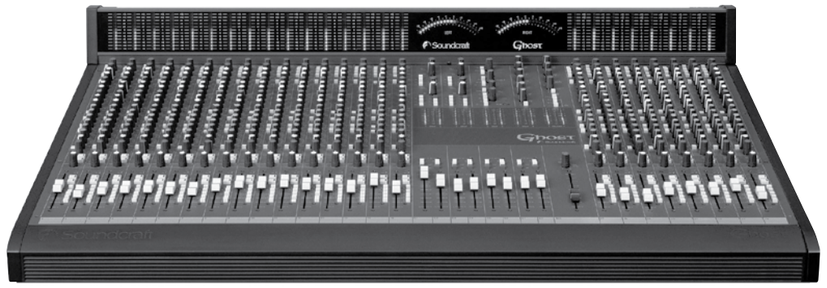
SOUNDCRAFT LXII SERIES

The LX7ii's are derived from designs used in the acclaimed MH Series live sound consoles, they gift the LX7ii with an exceptionally open sound and an almost unnervingly low noise floor. Direct channel outputs allow for simple connection of multitrack recording equipment, making the LX7ii equally at home in the studio.

LXII Series
16, 24 or 32 Mono ch
2 Stereo ch
4 Groups
4 EQ bands
6 Aux sends
4 Returns
Direct Outputs

SOUNDCRAFT GHOST LE

Ghost is a highly versatile 8-bus mixer, packed with facilities for handling a wide range of recording and mixing applications. Whether for studio or live recording, or mixing for picture, this is a console that offers unparalleled flexibility and value. The Ghost features the ProMic mic pre which was developed specifically for this console. Its performance alone puts Ghost into a different league from other consoles of similar price.



Pictured left: Soundcraft Ghost and Ghost Expander with optional meterbridge fitted.

GHOST LE
24 or 32 mono ch
4 Stereo Ch
8 Groups
4 EQ bands
10 Aux sends
32 Returns
Direct Outputs
Expander & Meterbridge optional

BROADCAST CONSOLES – RADIO

SOUNDCRAFT RM100 SERIES

The Soundcraft RM100 is a fully modular radio on-air console which is ideal for use in local radio and other smaller broadcast applications. Modules are selected from the range of Mono, Stereo, Telco and Source Select. A Master Module is standard with every console.

RM100
8, 12, 20 Mono Ch
PGM/AUD Stereo output busses
4 External inputs
2 External talkback inputs on 12 fader
Talkback output & Auto-cue
Remote start/stop - stereo module
Presenter/Guest headphone outs
Optional script tray

SOUNDCRAFT RM105 SERIES

Designed for use in local radio and other broadcast applications the Soundcraft RM105 is a fully modular on-air console which provides a versatile and cost-efficient studio control package. Mono, Stereo, Telco and Source Select input modules are available, in addition to a Master Module which is included as standard.

RM105
8, 12, 20 Mono Ch
PGM/AUX Stereo output busses
4 External inputs
2 External talkback inputs on 12 fader
Talkback output & Auto-cue
Remote start/stop - stereo module
Presenter/Guest headphone outs
Optional script tray & 2-band EQ

STUDER VISTA DIGITAL ON AIR 2500

The OnAir 2500 fulfils a clear role in the market. The down-to-earth design of a digital all-in-one console combined with well-established software technology ensures a new standard in ease-of-use for radio Broadcast. Studer's OnAir 2500 is designed as an integrated system – control surface, I/O breakout, DSP and controller boards, as well as power supply, share the same chassis. No additional core is needed to operate the console.

ON AIR 2500
Graphical user interface with colour TFT touch screen & freely assignable buttons
2 master buses PRG A, REC plus 2 AUX stereo buses
8 weighted stereo mix-minus buses configurable as AUX sends
8 assignable inserts (stereo) plus analogue mic inserts
4 band parametric EQ, Limiter, Compressor, Expander, Gate, De-Esser
Configurable control signals (GPIOs) & Remotely controllable via remote GUI or Probel protocol
Adaptable to customer needs

BROADCAST CONSOLES – TV

SOUNDCRAFT Vi SERIES DIGITAL CONSOLES

The compact size and light weight of the Vi Series make it ideal both for portable studio applications, fixed production suites or OB vehicles. Optional cards provide interfaces for AES/EBU, MADI, ADAT/TDIF, and also surround sound, Dolby D/E decoder and SDI de-embedder/re-embedder.

Vi1, Vi2, Vi4 and Vi6
32, 40, 48, 56, 64, 72 or 96 ch
Variable Stereo Channels
8 FX Processors
32 Groups
4 EQ bands
32 Aux sends
32 Returns (Vi2)
Direct Outputs
16 Matrix Outputs
GPIO

Tom Cat Production Services Vi6 in action during NZ Idol

Vi6 in action at Big Night In Telethon 2009

STUDER VISTA SERIES DIGITAL CONSOLES

The Vista 5 is a highly flexible compact digital mixer. The console's small size and simple connectivity lends to its portability, therefore perfect in small to midsize studios and will easily fit into any OB van. It can be easily moved from one location to another and set up within minutes.

VISTA 5
Revolutionary & unique Output control
Extensive static Automation with Snapshot Filtering & Theatre Cue List
Fully config. DSP & In/Out structure
Resilient system – specifically designed for Broadcast & Live Production
Full 5.1 Surround Capability
N-1 and off-air conferencing system
Audio Follows Video

The Vista 8 combines and extends the powerful broadcast features with dynamic automation to offer a highly sophisticated and flexible multipurpose live broadcast desk. The new Control Bay design offers more faders in a smaller footprint making it ideal for both fixed install broadcast and OB van applications.

VISTA 8
Revolutionary & unique Output control
Stunning metering
Static & Dynamic Automation
Proven reliability
Resilient system – specifically designed for Broadcast & Live Production
Realistic 5.1 Surround Capability

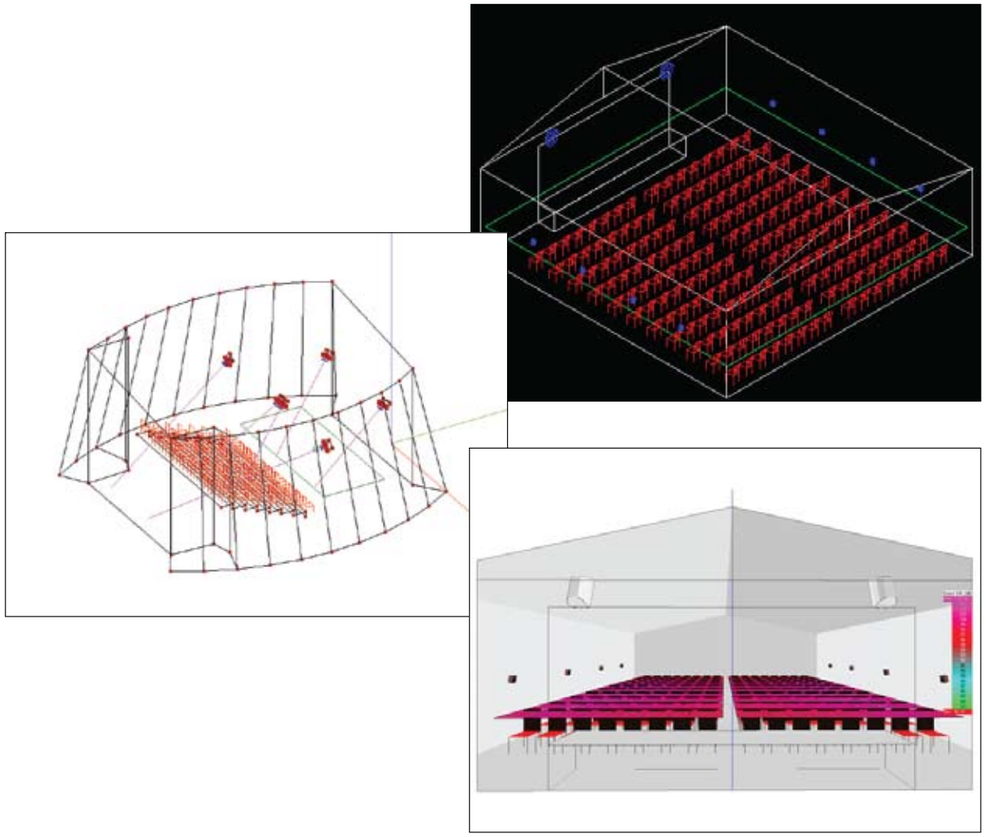
SOUND SYSTEM DESIGN

Our design team is here to make your job easy. We can assist with any size projects, whether you need a simple sound system designed, or full project management and commissioning, we have the resources you need to complete the project.

In any application there are many things to consider – What are the areas that need the most coverage? What is the level of volume required? What are we trying to reproduce and how much bandwidth is required? Will the system feedback? Can everyone understand what is being said? Without a properly designed system you can get any one of these wrong and end up spending more time and money fixing the problem.

SPEAKER AND ROOM MODELLING

Each project is different; for instance a speaker that sounds a certain way in one room can sound completely different in another. Although the speaker itself hasn't changed, the room it's in will affect and colour the sound by absorbing and reflecting different frequencies. Knowing how much your room will affect the sound can be predicted by our modelling software. Steps can then be taken to treat the room if necessary. By using computer modelling (see images below) we can show you how the designed audio system will perform before it is installed.



WIRING & CABLING SCHEMATICS

Once you have the system designed and the product has been specified, the installer will need to know how to put it all together. As part of our project management we create a set of wiring schematics detailing the cables and connectors required to make it all work. The installer can then work to the exact specifications from your design ready for commissioning.

COMMISSIONING

One of the most important parts of any sound system is the commissioning and tuning phase. Depending on your installation, you may require certain pieces of equipment to be programmed and set, and the system tuned for your room. At Jands we have the programming expertise required to optimize the system to its full potential. Our objective is to make the system sound as good as it can and be as simple to use as possible.

JANDS AUDIO TRAINING

We offer a range of courses from an audio refresher course through to advanced networking and programming certified courses.

Not every installer has an audio background and distributed audio (ie 100V line audio systems) can be a little confusing to those who have only worked with low impedance audio systems. We have a one day Contractor Audio Training Course which is designed to provide an overview of audio concepts, product knowledge and real world applications.

The Contractor Audio Training Course is appropriate for anyone involved with AV Installation, Pro Audio sales, design or contracting. Attendees of this course will gain a better understanding of how to design and implement audio systems.

BSS Soundweb London Certification is to commence mid 2010. The training will cater for those who are new to programming right through to an advanced level.

For training dates please refer to www.jands.co.nz and click on Technical Resources.

INDEX

STOCKCODE	PAGE
131	37
215	37
223	38
231	37
234	38
286	47
376	47
386	47
1046	38 50
1066	38 50
1074	38 50
1215	37
1231	37
2031	37
2215	37
2231	37
8124	11
8128	11
120A	50
160A	38 50
160SL	38 50
162SL	38 50
166XL	38 50
266XL	38 50
AC15	17
AC16	17
AC18	17
AC2212	17
AC2215	17
AC25	17
AC26	17
AC28	17
AC7212	18
AC7215	18
ALPHA	47
AM5212	18
AM5215	18
AR133	39
ASB6112	18
ASB6115	18
ASB6125	18
ASB7118	18
ASB7128	18
BLU-100	5
BLU-10-BK	6
BLU-10-WH	6
BLU-120	5

STOCKCODE	PAGE
BLU-16	5
BLU-160	5
BLU-3	6
BLU-320	5
BLU-6	6
BLU-800	5
BLU-8-BK	6
BLU-8-WH	6
BLU-AEC-IN	6
BLU-BOB1	5
BLU-BOB2	5
BLU-CARD-HYBRID	6
BLU-CARD-IN	6
BLU-CARD-OUT	6
BLU-DIGITAL-IN	6
BLU-DIGITAL-OUT	6
CBT100LA	16
CBT50LA	16
CBT70J	16
CBT70JE	16
CDi1000	9
CDi2000	9
CDi4000	9
CONTROL1PRO	51
CONTROL226CT	13
CONTROL23	14
CONTROL23T	14
CONTROL24C	11
CONTROL24C-MI	11
CONTROL24CT	11
CONTROL24CT-M	11
CONTROL25	14
CONTROL25AV	14
CONTROL25T	14
CONTROL26C	11
CONTROL26CT	11
CONTROL28	14
CONTROL28T	14
CONTROL29	14
CONTROL2PM	55
CONTROL2PS	55
CONTROL30	14
CONTROL312CS	13
CONTROL321C	13
CONTROL321CT	13
CONTROL322C	13
CONTROL322CT	13

STOCKCODE	PAGE
CONTROL328C	13
CONTROL328CT	13
CONTROL40CST	12
CONTROL42C	12
CONTROL47CT	12
CONTROL47HC	12
CONTROL47LP	12
CONTROL50ST	15
CONTROL52	15
CONTROLCRV	15
CONTROLSB-2	14
CONTROLSB210	14
CTs1200	9
CTs2000	9
CTs3000	9
CTs4200	9
CTs600	9
CTs8200	9
DB10	39
DB12	39
DRIVERACK260	35
DRIVERACK4800	35
DRIVERACK4820	35
DRIVERACKPA+	35
DRIVERACKPX	35
EFX12	21 40
EFX8	21 40
EON315	25
EON510	20 25
EON515	20 25
EON518S	17 25
EPM12	21 40
EPM6	21 40
EPM8	21 40
FCS-960	37
FCS-966	37
FDS-334T	36
FDS-336T	36
FDS-366T	36
FW810S	48
FX16ii	21 41 55
GB2	22 42 56
GB2R	22 42 56
GB4	22 42 56
GB8	22 42 56
GHOST LE	56
GIGRAC1000st	40

STOCKCODE	PAGE
GIGRAC600	40
iEQ15	36
iEQ31	36
IT12000HD	34
IT5000HD	34
IT9000HD	34
JRX112M	27
JRX112Mi	17
JRX115	27
JRX115Mi	17
JRX118S	27
JRX125	27
LAMBDA	47
LSR2310SP	52
LSR2325P	52
LSR2328P	52
LSR4312	53
LSR4326P	53
LSR4328P	53
LSR6312SP	54
LSR6325P	54
LSR6328P	54
LSR6332	54
LX7ii-16	22 41 55
LX7ii-24	22 41 55
LX7ii-32	22 41 55
LXP PLUG-IN	49
M12	41 55
M4	41 55
M8	41 55
MA12000i	34
MA5000i	34
MA9000i	34
MFXi12	21 40
MFXi20	21 40
MFXi8	21 40
MH2	42
MH3	42
MH4	42
MPMi12	21 40
MPMi20	21 40
MRX512M	27
MRX515	27
MRX518S	27
MRX525	27
MSC1	51
MX200	39 49

STOCKCODE	PAGE
MX300	39 49
MX400	39 49
NOTEPAD102	21 40 51
NOTEPAD124	21 40 51
NOTEPAD124FX	21 40 51
OMEGA	47
ON AIR 2500	57
PCM92	39 49
PCM96	49
PCM96-SUR	49
PCM PLUG-IN	49
PD5125	19
PD5212	19
PIP-LITE	10
PIP-USP4AVB	10
PIP-USP4CN	10
PRX612M	17 25
PRX615M	17 25
PRX618S	25
PRX625	25
RM100	57
RM105	57
SC32	7
SC64	7
Si COMPACT	22 43
Si1	43
Si2	43
Si3	43
SRX712M	28
SRX715	28
SRX718S	28
SRX722	28
SRX725	28
SRX728S	28
SRX735	28
SW9012	6
SW9015	6
U22	48
U42S	48
U82S	48
Vi1	44 58
Vi2	44 58
Vi4	44 58
Vi6	44 58
VISTA5	58
VISTA8	58
VP7210	20

STOCKCODE	PAGE
VP7212	20
VP7212-95DPC	26
VP7212MDP	26
VP7215	20
VP7215-95DPC	26
VPSB7118DP	20 26
VRX915S	19 29 30
VRX918S	19 29 30
VRX918SP	20 26
VRX928LA	19 29 30
VRX932LA	19 29 30
VRX932LAP	20 26
VT4880A	32
VT4881A	31
VT4882	32
VT4883	31
VT4886	31
VT4887A	31
VT4888	32
VT4889-1	32
XLS1000	9 33
XLS1500	9 33
XLS2000	9 33
XLS2500	9 33
XTi1000	33
XTi2000	33
XTi4000	33
XTi6000	33
ZC-1	8
ZC-2	8
ZC-3	8
ZC-4	8
ZC-6	8
ZC-7	8
ZC-8	8
ZC-9	8
ZC-BOB	8
ZC-FIRE	8
ZONEPRO1260	8
ZONEPRO1260M	8
ZONEPRO1261	8
ZONEPRO1261M	8
ZONEPRO640	8
ZONEPRO640M	8
ZONEPRO641	8
ZONEPRO641M	8

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